XR-4240/4250/4252/4257

SERVICE MANUAL

US Model
Canadian Model
XR-4257

AEP Model
XR-4250

E Model
XR-4240/4250

Germany Model
XR-4252

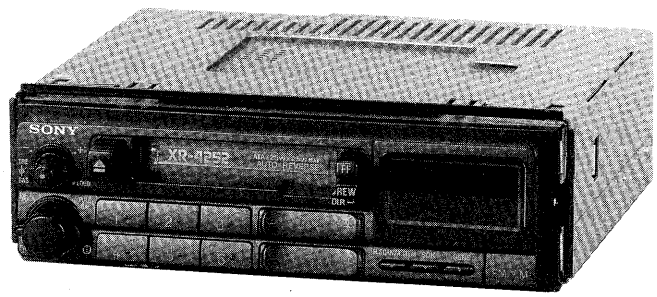

Photo : XR-4252

Model Name Using Similar Mechanism	NEW
Tape Transport Mechanism Type	MG-707V-35

SPECIFICATIONS

Power amplifier section

Outputs: Speaker outputs (sure seal connectors)
Speaker impedance: 4–8 ohms
Maximum power output:
25W×2 (at 4 ohms) *
15W×4 (at 4 ohms) *
*Measured at 14.4V

Cassette player section

Tape track: 4-track 2-channel stereo
Frequency response: 30–16,000Hz
Signal-to-noise ratio: 55dB
Wow and flutter: 0.13% (WRMS)

Tuner section

System: Superheterodyne tuner
Computerized quartz-locked synthesizer system
Antenna terminal: External antenna connector

FM tuner section

Tuning range: XR-4240/4250/4252 : 87.5–108.0MHz
XR-4257 : 87.9–107.9MHz
Intermediate frequency: 10.7MHz
Usable sensitivity: 13dBf (75 ohms)
Selectivity: 75dB at 400kHz
Signal-to-noize ratio: 66dB (stereo), 69dB (mono)
Harmonic distortion at 1kHz: 0.9% (stereo), 0.5% (mono)
Separation: 35dB at 1kHz
Frequency response: 30–15,000HZ
Capture ratio: 2dB

AM tuner section

Tuning range: XR-4240/4250 (E) :
531–1,602kHz (at 9kHz step)
530–1,620kHz (at 10kHz step)
AM tuning interval 9kHz/10kHz switchable
XR-4250 (AEP) /4252 :
531–1,602kHz
XR-4257 : 530–1,710kHz
Intermediate frequency: 450kHz
Sensitivity: 35 μV

General

Tone controls: Bass±8dB at 100Hz
Treble±8dB at 10kHz
Loudness: +10dB at 100Hz
+6dB at 10kHz
Output lead: Power antenna relay control lead
Power requirements: 12V DC car battery (negative ground)
Dimensions: Approx. 178×50×154mm (w/h/d) not incl. projecting parts and controls
Mounting dimensions:
XR-4250/4252/4257 :
Approx. 182×53×145mm (w/h/d)
XR-4240 :
Approx. 178×50×137mm (w/h/d)
not incl. projecting parts and controls
Weight: XR-4250/4252/4257 : Approx. 1.4kg
XR-4240 : Approx. 1.3kg
Accessories supplied: Mounting hardware (1 set)

Design and specifications subject to change without notice.

使用時は添付資料も参照のこと
Refer to the additional documents.

FM/AM CASSETTE CARSTEREO

SONY®

WARNING !!

ADVARSEL!
Lithiumbatteri – Eksplosionsfare
Udskiftning må kun foretages
af en sagkyndig, og som
beskrevet i servicemanualen.

LITHIUM BATTERY

SHOULD ONLY BE CHANGED BY TECHNICAL PERSONNEL. THERE IS A RISK FOR EXPLOSION AT A WRONG HANDLING.

"Batteriet må kun udskiftes med et batteri af samme fabrikat og type".

Because of the risk for explosion the battery must be replaced with the same type and manufacture.

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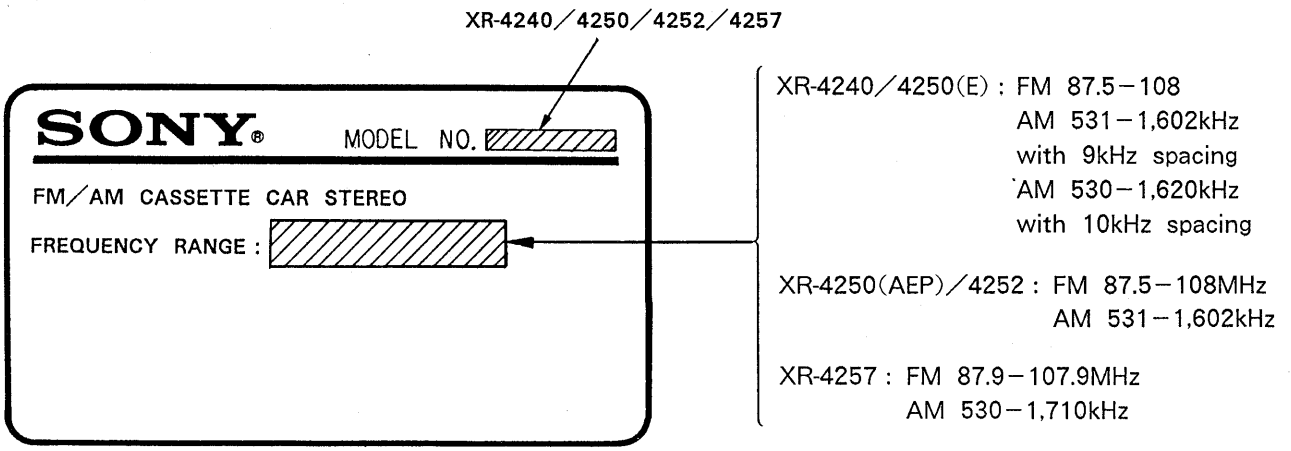
MODEL IDENTIFICATION

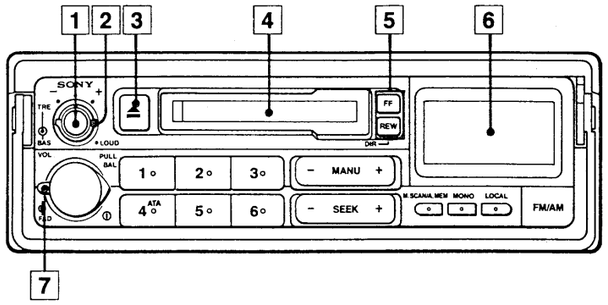
– Specification Label –



SECTION 1
GENERAL

This section is extracted from instruction manual.

1-1. LOCATION AND FUNCTION OF CONTROLS



1 LOUD (loudness) button/TRE (treble) control

LOUD button	Press to reinforce bass and treble especially when listening at low level. To disengage the button, press again.
TRE control	Turn clockwise to increase and counterclockwise to decrease the treble.

2 BAS (bass) control
Turn clockwise to increase and counterclockwise to decrease the bass.

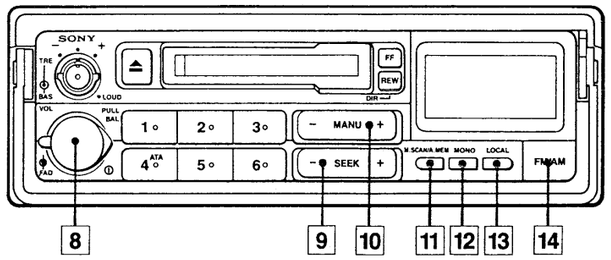
3 ⏏ (eject) button
Press to stop tape playback and eject the cassette.

4 Cassette insertion door

5 FF/REW (fast winding) buttons/DIR (tape transport direction change) buttons
During playback, depress FF or REW for fast winding, or press both FF and REW simultaneously to listen to the other side of the cassette.

6 Display window

7 FAD (fader) control
Turn clockwise to decrease the volume of the rear speakers or counterclockwise to decrease the volume of the front speakers.



8 Power on • off switch/VOL (volume) control/PULL BAL (balance) control

Power on • off switch	Press to turn on and off the unit.
VOL control	Turn clockwise to increase and counterclockwise to decrease the volume.
PULL BAL control	While pulling the control knob, turn to adjust the balance of the left and right channel outputs.

9 SEEK −/+ button
Press − side to search stations in lower frequencies and + side to search in higher frequencies.

10 MANU (manual) −/+ button
Press to tune in the desired stations manually.

11 M.SCAN (memory scan)/A.MEM (automatic memory) button

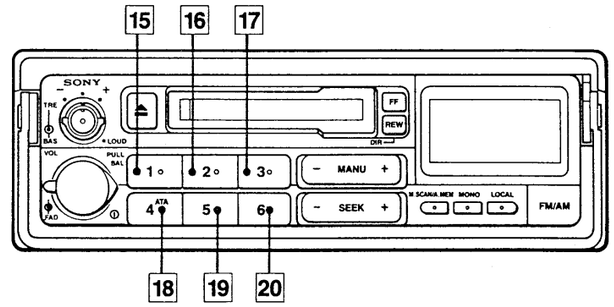
Function	Operation
M.SCAN	Press for a moment to scan the preset stations automatically.
A.MEM	Press for more than two seconds to memorize the stations automatically.

12 MONO (monaural) button (XR-4250)
Press to reduce noise during reception of a weak FM stereo program. To listen in stereo, press again.

DSPL (display) button (XR-4240)
Press to display the time digits (clock). Press again to go back to the normal mode.

13 LOCAL (local seek) button (XR-4250) SENS (sensitivity) button (XR-4240)

14 FM/AM band select button



	During tape playback	During radio operation
15	—	**Preset number buttons**
16	—	
17	—	
18	**ATA (Automatic Tuner Activation) button**	
19	—	
20	—	

1-2. INSTALLATION

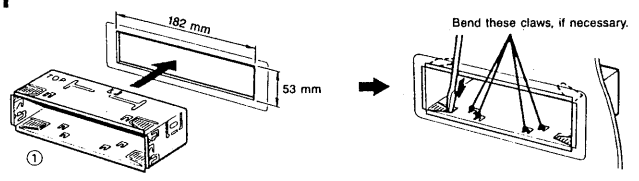
Precautions

- Choose the mounting location carefully so that the unit will not interfere with the normal driving functions of the driver.
- Avoid installing the unit where it should be subjected to high temperatures, such as from direct sunlight or from hot air from the heater, or where it would be subjected to dust, dirt or excessive vibration.
- Use only the supplied mounting hardware for a safe and secure installation.

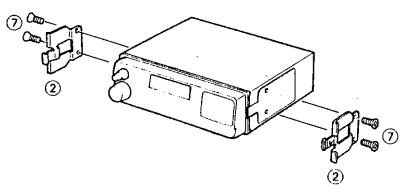
To Install the Unit in the Dashboard

XR-4240

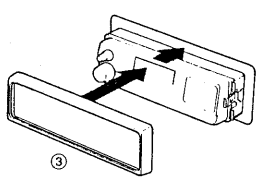
1



2

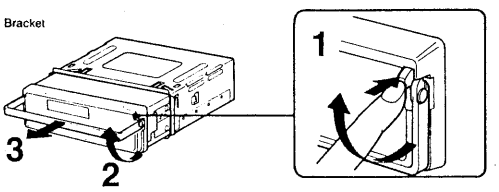


3

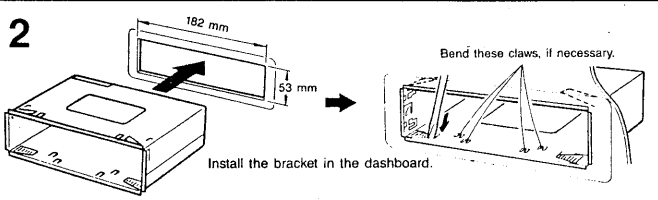


XR-4250

1

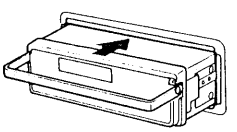


2



3

Secure the unit.

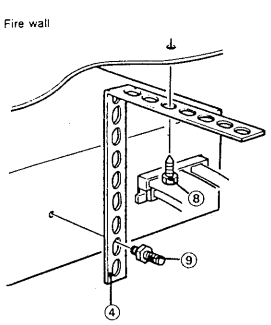


Push in the unit until it is locked firmly.

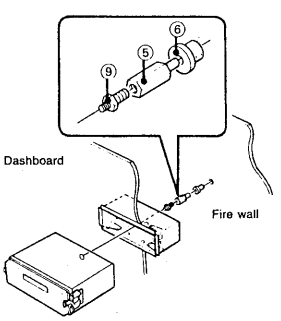
To Support the Unit

XR-4240

Example 1

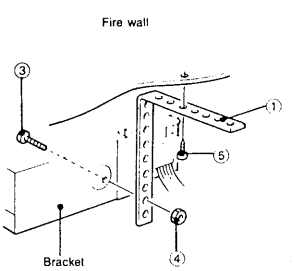


Example 2

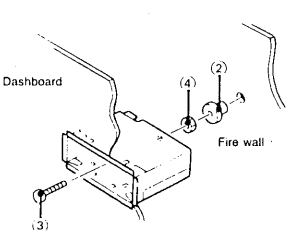


XR-4250

Example 1



Example 2



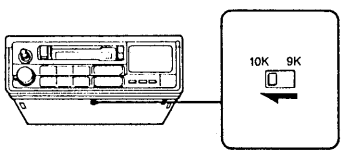
1-3. CONNECTIONS

Caution

- This unit is designed for negative ground 12 V DC operation only.
- Before making connections, disconnect the ground terminal of the car battery to avoid short circuits.
- Connect the **red** power input lead only after all other leads are connected. And be sure to connect it to the positive 12 V power terminal. It will be energized when the ignition key is set to the accessory position.
- **Run all ground wires to a common ground point.**

Notes on AM tuning interval (except for the model for European countries)

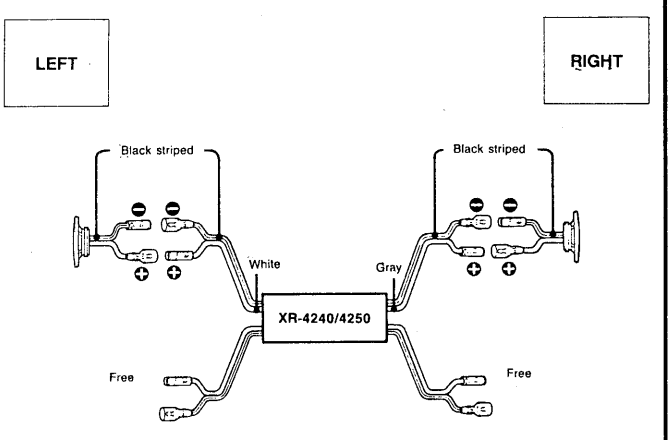
The AM tuning interval is factory-set to 9 kHz. If the frequency allocation system of your country is based on 10 kHz interval, set the selector on the bottom to 10 K before making connections.



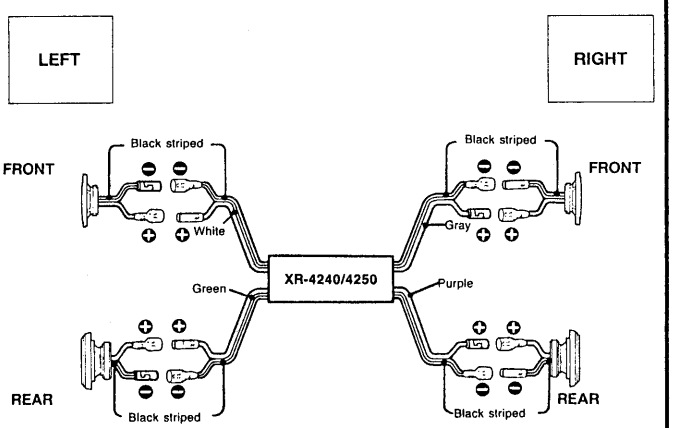
Change the position with a ball-point pen or similar objects.

Speaker Connection

2-speaker connection



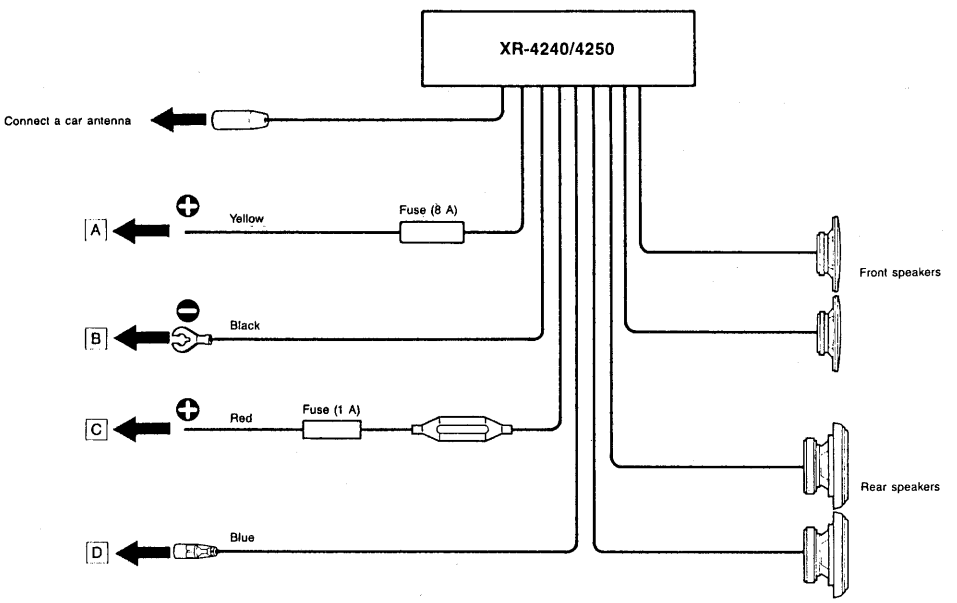
4-speaker connection



Notes on speaker connection

- Use speakers with an impedance of 4 to 8 ohms, and with adequate power handling capacities. Otherwise, the speakers may be damaged.
- Do not connect the terminals of the speaker system to the car chassis, and do not connect the terminals of the right speaker with those of the left speaker.

Connection Diagram



[A] : To the +12 V power terminal which is energized at all times

[B] : To a metal point of the car

[C] : To the +12 V power terminal which is energized with the ignition key in the accessory position

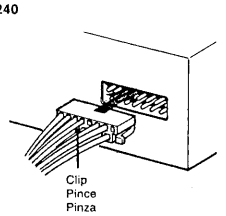
[D] : To the power antenna relay control box

Cord color

Red: Power input lead
Yellow: Power input lead
Blue: Power antenna relay control lead
Black: Ground wire

Power Cord Attachment

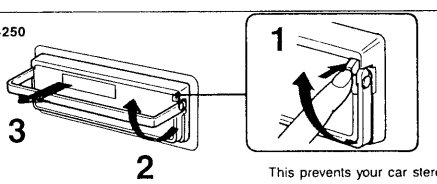
XR-4240



To remove, push in the clips and pull it out.

To Remove the Unit

XR-4250



This prevents your car stereo set from being stolen.

SECTION 2
ADJUSTMENTS

2-1. MECHANICAL ADJUSTMENT

No mechanical adjustments applied to this unit.

● Torque Measurement

Mode	Torque Meter	Torque
FWD	CQ-102C	35 to 65 g · cm (0.49 to 0.90 oz · inch)
REV	CQ-102RB	
FF	CQ-201B	70 to 160 g · cm (0.98 to 2.22 oz · inch)
REW		

2-2. ELECTRICAL ADJUSTMENTS

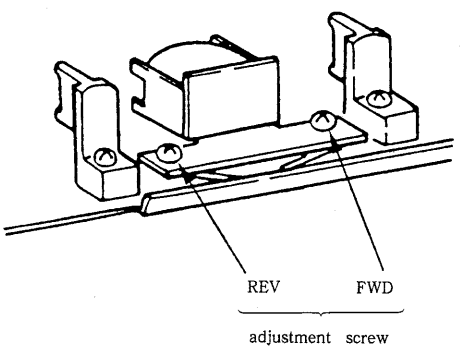
Note : The adjustment should be performed in the order given in this service manual.
The adjustments should be performed for both L-CH and R-CH.

- Power-supply voltage is +14.4V DC as per Ad Hoc recommendation.
- Switches and controls should be set as follows unless otherwise specified.

  PUSH RADIO switch : RADIO
  PULL BALANCE control : center click

TAPE SECTION

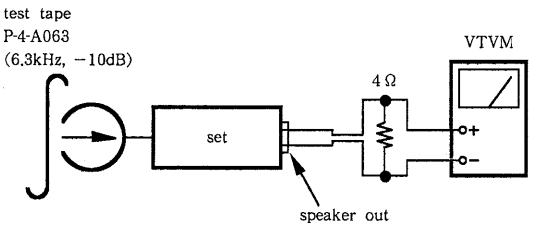
Adjustment Location :



Playback Head Azimuth Adjustment

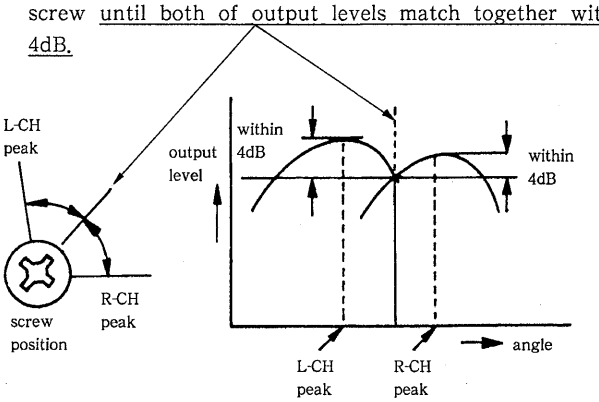
Procedure :

1. Mode : playback

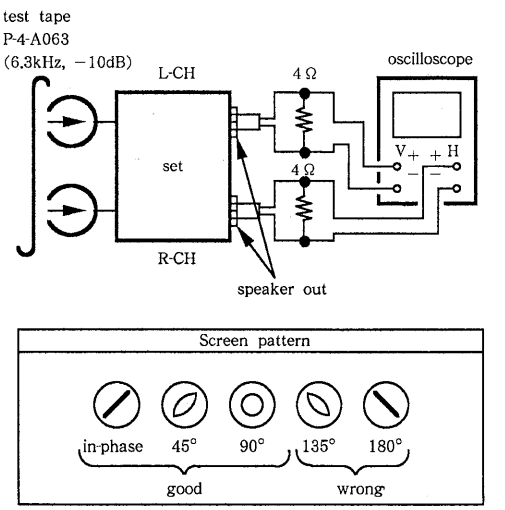


   Adjust for forward (▶) direction and reverse (◀) direction.

2. Turn the adjustment screw for the maximum output levels. If these levels do not match, turn the adjustment screw until both of output levels match together within 4dB.



3. Phase Check
   Confirm that phase difference between L-channel and R-channel is within 90° .

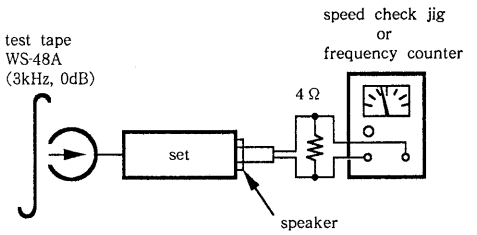


4. Repeat the above adjustment for reverse playback mode.
5. After the adjustment, lock the screw with locking compound.

Capstan Motor Tape Speed Adjustment

Procedure :

1. Put the set into the FWD PB mode.

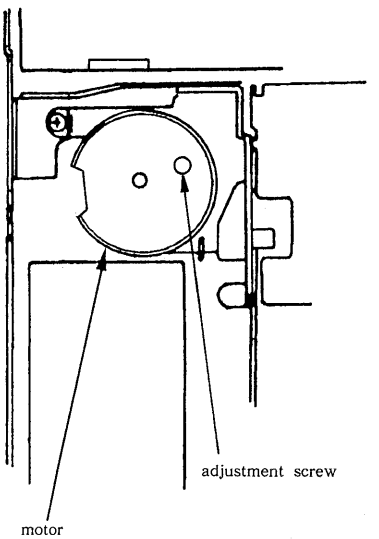


Specification : Constant speed

Speed check jig	Frequency counter
−2 to +3%	2,940 to 3,090 Hz

Adjust so that the frequency difference between the FWD and REV modes is within 1.5%.

Adjustment Location :

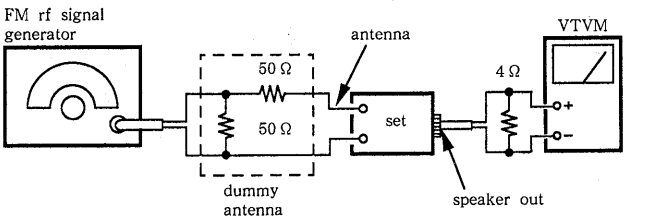


FM SECTION ( ) : XR-4257

FM Stereo Separation Adjustment

Setting :

BAND : FM Stereo
Frequency : 98.0MHz (97.9MHz)



Carrier frequency : 98.0MHz (97.9MHz)
Output level : 70dB (3.15mV)
Modulation : 1kHz
main : 33.75kHz dev.
sub : 33.75kHz dev.
19kHz pilot : 7.5kHz dev.

Procedure :

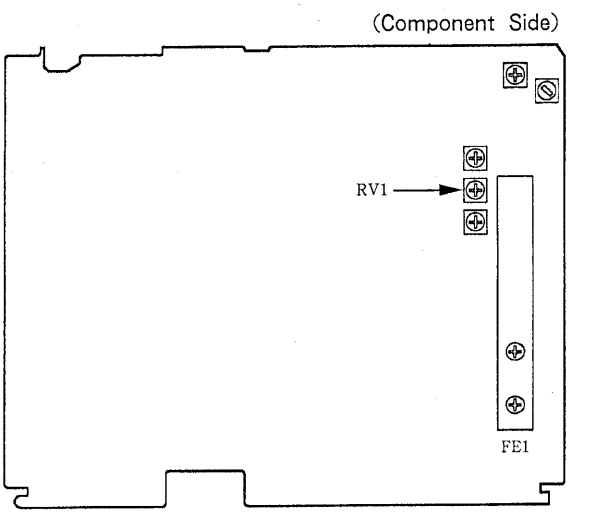
1. Set the output level of a signal generator to 70dB and then adjust the output at 10dB.
2. Adjust RV1 for a best stereo separation.

FM stereo signal generator output channel	VTVM connection	VTVM reading (dB)
L-CH	L-CH	Ⓐ
R-CH	L-CH	Ⓑ Adjust RV1 for minimum reading.
R-CH	R-CH	Ⓒ
L-CH	R-CH	Ⓓ Adjust RV1 for minimum reading.

L-CH stereo separation : Ⓐ - Ⓑ
R-CH stereo separation : Ⓒ - Ⓓ
The separations of both channels should be equal.

3. Adjust so that separation is maximized.

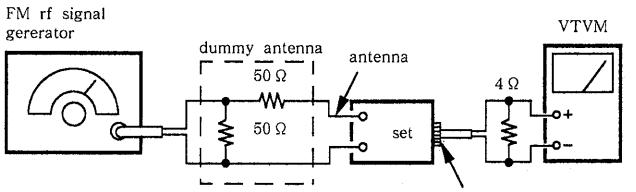
Adjustment Location : main board



Stereo Auto Hi-blend Adjustment ( ) : XR-4257

Setting :

BAND : FM Stereo
Frequency : 98.0MHz (97.9MHz)

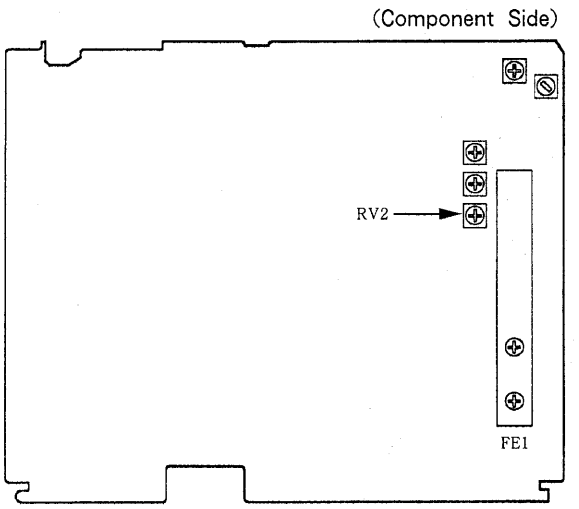


Carrier frequency : 98.0MHz (97.9MHz)
Mode : 1kHz, 75kHz deviation (100%)
Output level : 40dB (100 μ V)

Procedure :

Adjust RV2 so that leakage to the other channel is 15dB±3dB when the signal generator is L-ch or R-ch output only.

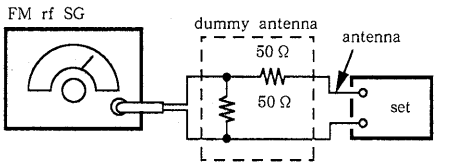
Adjustment Location : main board



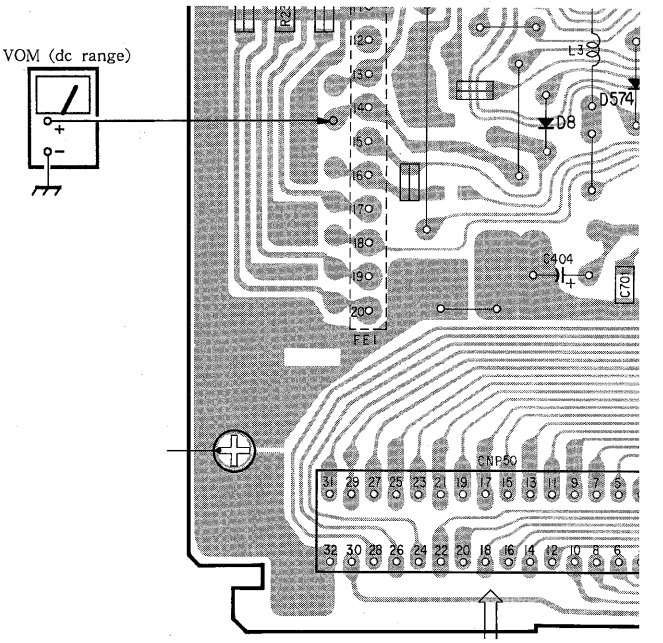
FM Auto-scan Stop Level Adjustment ( ) : XR-4257

Setting :

Band switch : FM MONO
Frequency : 98.0MHz (97.9MHz)



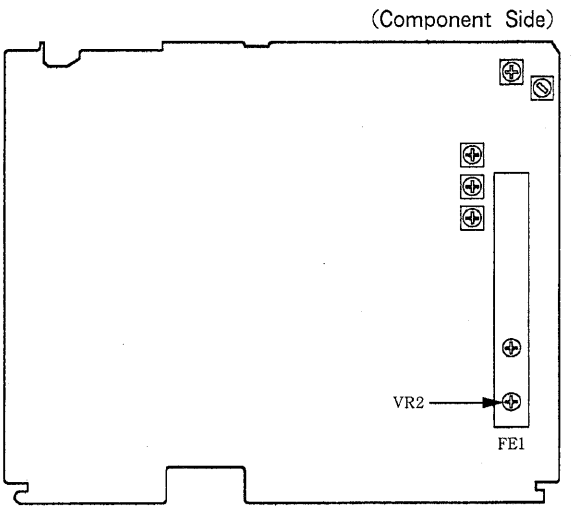
Carrier frequency : 98.0MHz (97.9MHz)
Modulation : 1kHz, 75kHz deviation (100%)
Output level : 25dB (18 μ V)



Procedure :

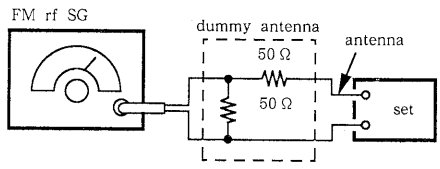
1. Adjust VR2 at the point where the VOM reading changes from low to high.(arround 0.6V)
2. Confirm that the set stops auto-scanning with FM RF SSG output level set at 25±2dB.

Adjustment Location : main board (FE1)



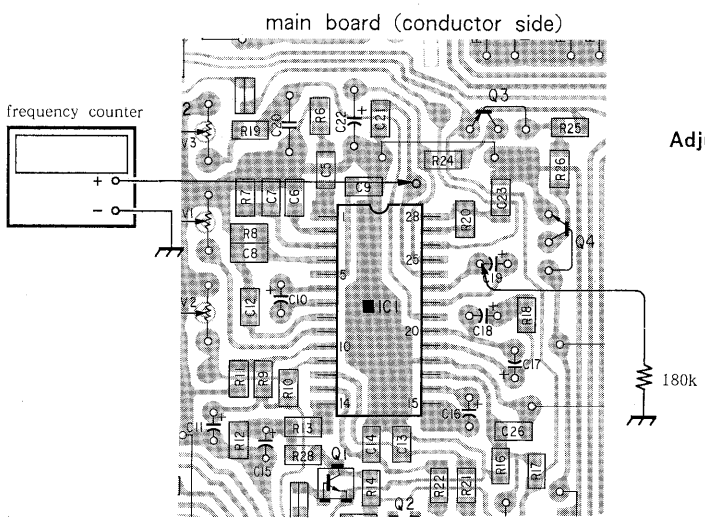
VCO Adjustment ( ) : XR-4257

Setting :



Carrier frequency : 98.0MHz (97.9MHz)
Modulation : no modulation
Output level : 60dB (1mV)

main board (conductor side)

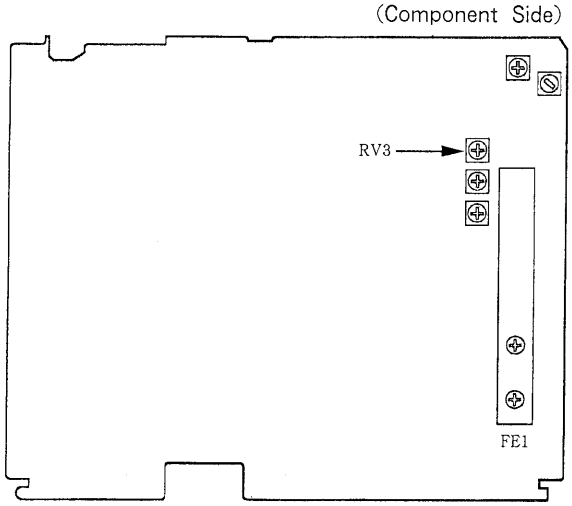


Procedure :

1. Using a resistor (180k Ω), connect IC1 ㉓ pin and GND.
2. Push the TUNING 〈+, −〉 button for 98.1MHz.
3. Adjust RV3 for 19kHz±50Hz reading on the frequency counter.
4. After adjustment is completed remove the resistor (180k).

Adjustment Location : main board

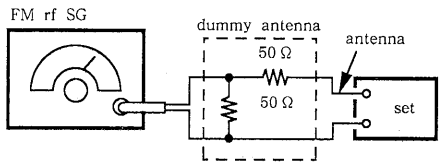
(Component Side)



SDK Adjustment (XR-4252 only)

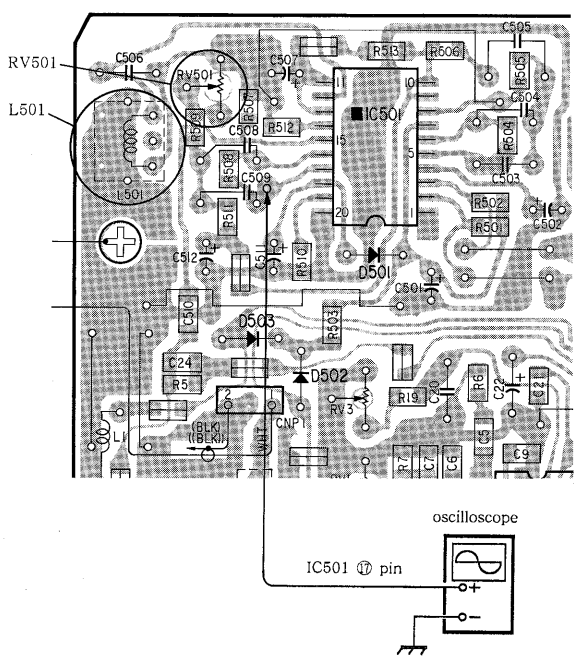
Setting :

BAND : FM MONO
Frequency : 98.0MHz



Carrier frequency : 98.0MHz
Modulation : 1kHz, 75kHz deviation (100%)
Output level : 60dB (1mV)

Adjustment Location : main board



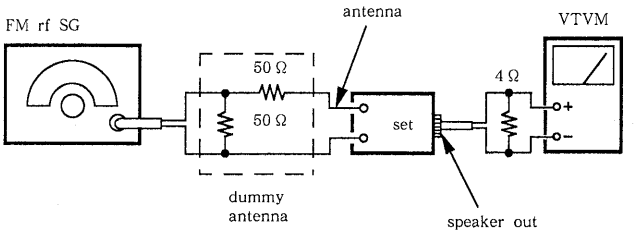
Procedure :

1. Connect the oscilloscope to pin ⑰ of IC501.
2. Turn ON the SDK button and adjust the frequency to 98.0MHz.
3. Adjust L501 and RV501 so that the waveform of the oscilloscope becomes maximum (min. 1V).

ARI Volume Adjustment (XR-4252 only)

Setting :

BAND : FM MONO
Frequency : 98.0MHz

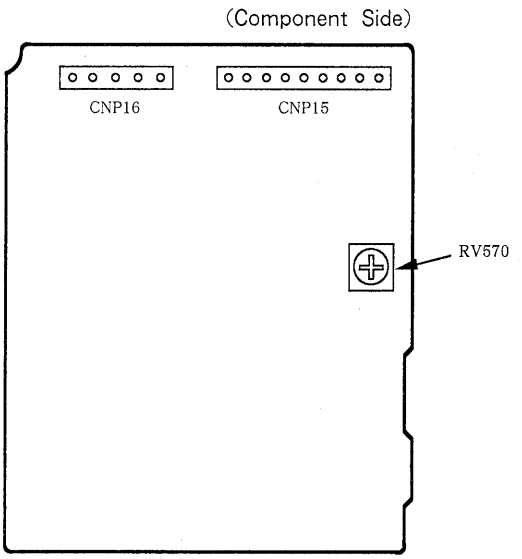


Carrier frequency : 98.0MHz
Output level : 60dB (1mV)
Modulation : 1kHz, 75kHz deviation (100%)

Procedure :

1. Set the volume to Min (counter-clockwise direction) and turn ON the SDK button. (The scanning starts and stops at 98MHz.)
2. Adjust RV570 so that the reading of the VTVM becomes 10±3dB.

Adjustment Location : VOL board



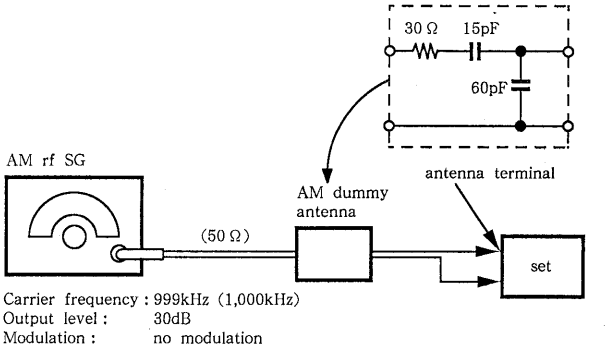
AM SECTION ( ) : XR-4257

AM Auto-scan Stop Level Adjustment

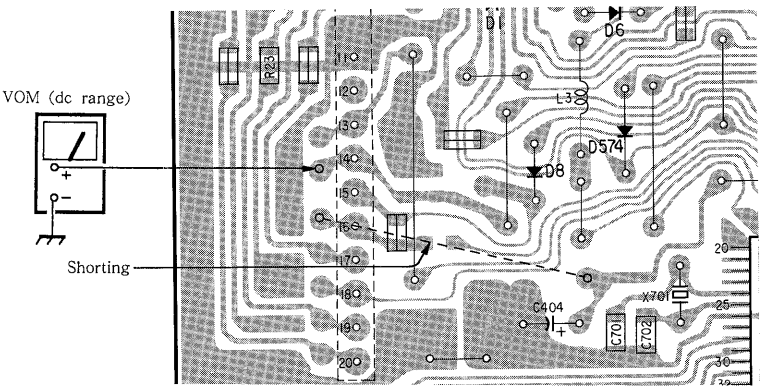
Note : Be sure to perform this adjustment after "FM Auto-scan Stop Adjustment".

Setting :

BAND : MW
Frequency : 999kHz (1,000kHz)



Carrier frequency : 999kHz (1,000kHz)
Output level : 30dB
Modulation : no modulation

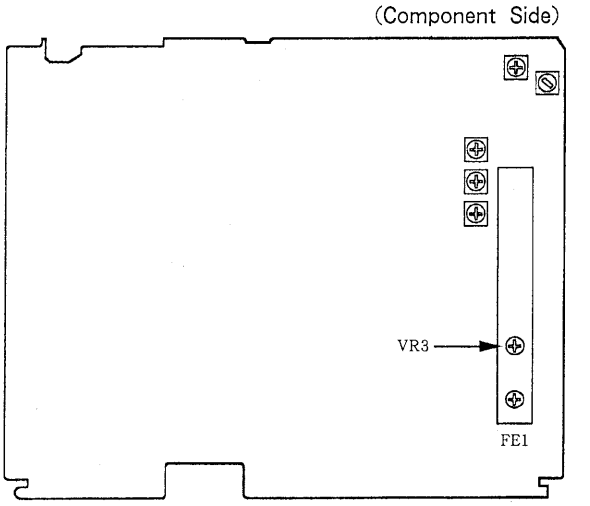


Procedure :

1. Adjust VR3 at the point where the VOM reading changes from low to high. (arround 0.6V)
2. Confirm that the set stops auto-scanning with AM RF SG output level set at 30±2dB.

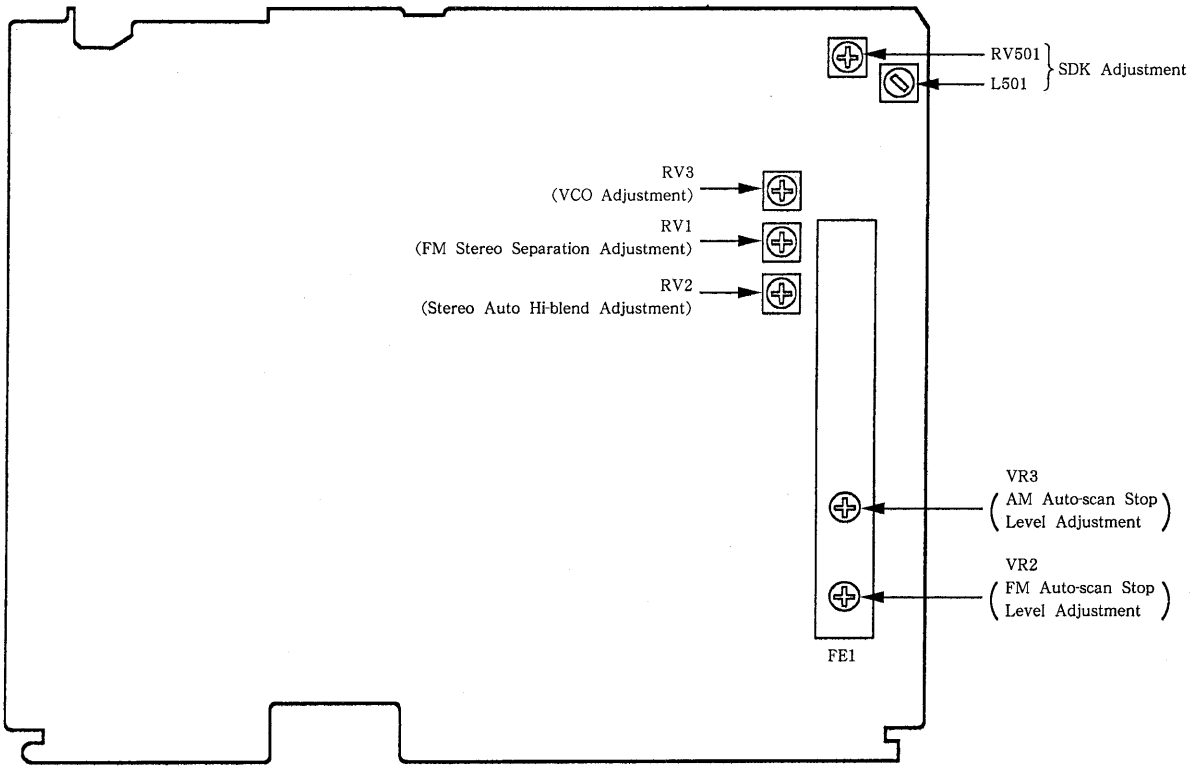
Note : Turn mute signal OFF. (Add 5V to ⑯ pin of FE1)

Adjustment Location : main board (FE1)



ADJUSTMENT LOCATION

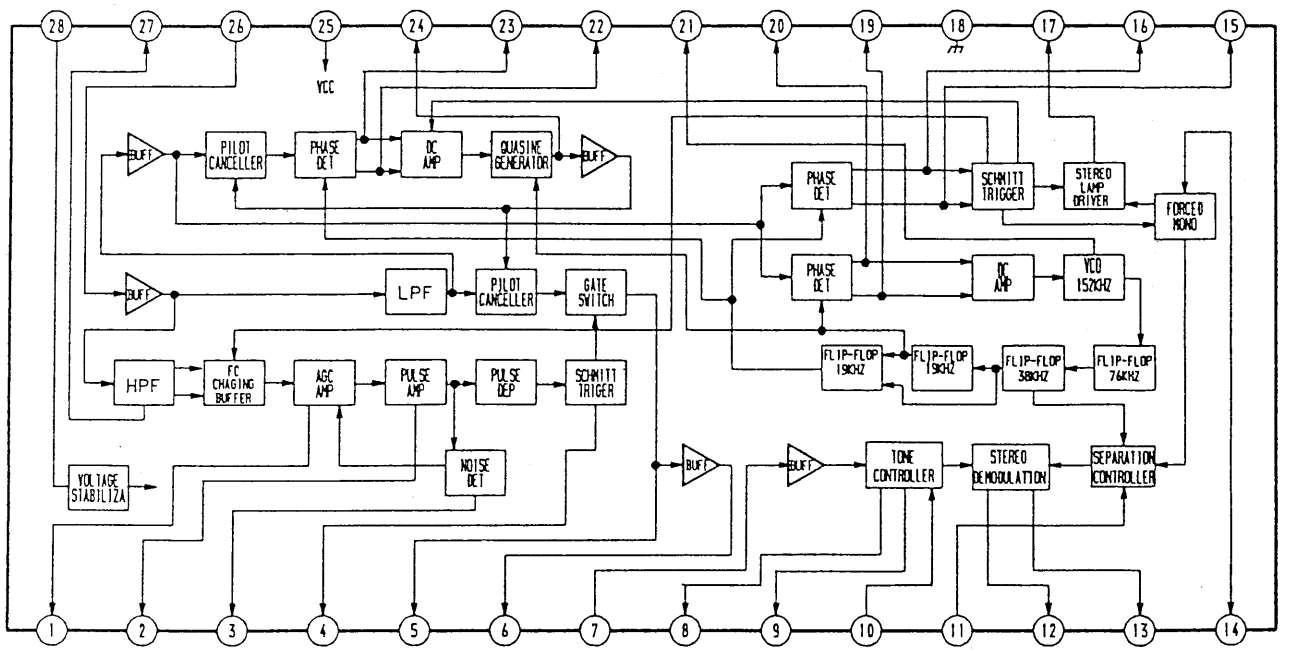
【MAIN BOARD】 (Component)



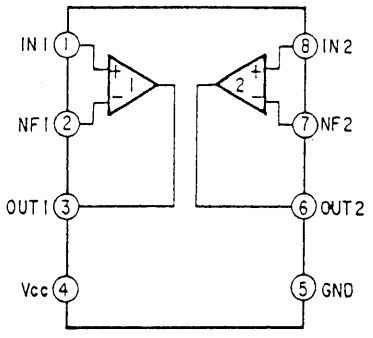
SECTION 3
DIAGRAMS

3-1. IC BLOCK DIAGRAMS

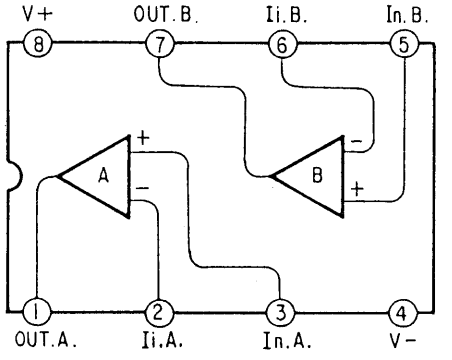
IC1 AN7463S



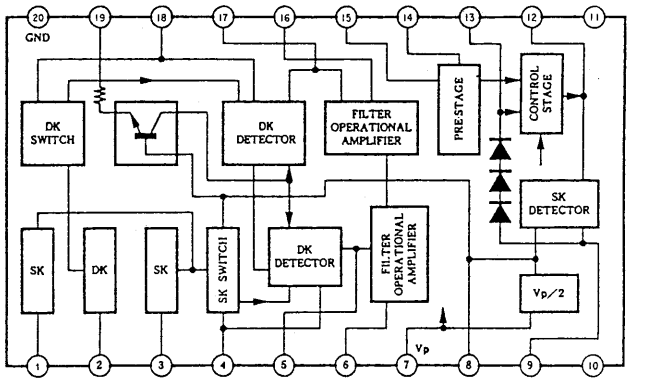
IC301 μPC1228HA



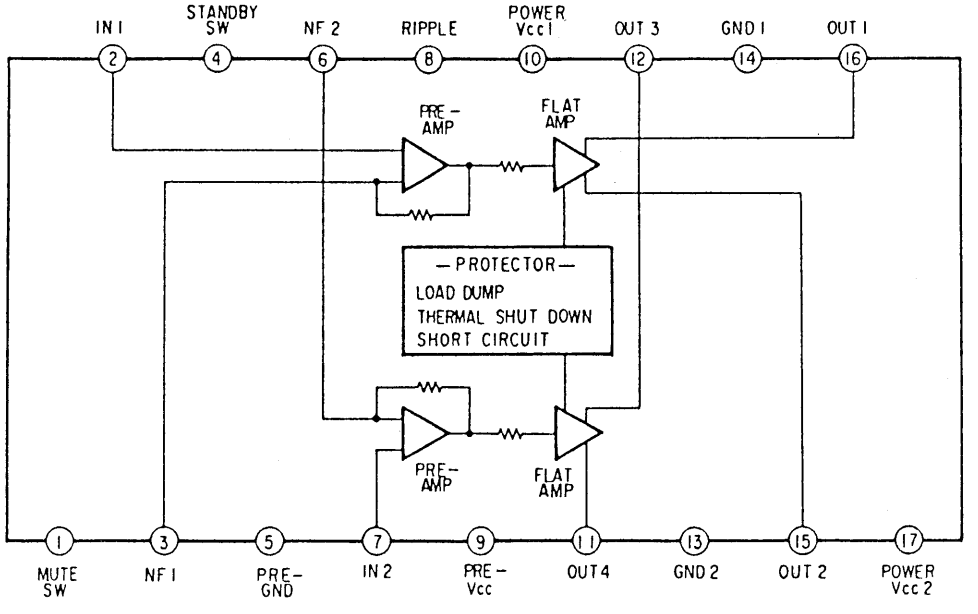
IC321, IC361 BA4558F



IC501 TDA1579

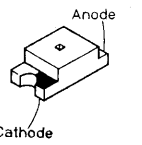


IC601 TA8221H

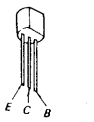


• SEMICONDUCTOR LEAD LAYOUTS

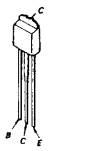
AY1101W
CL-150PG-CD



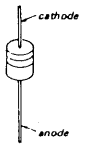
2SA933S-QR



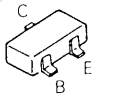
2SD1802



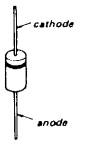
RD5.1ESB2
RD5.6ESB2
RD6.2ESB2
RD9.1ESB2
MTZN-10A
WG713A



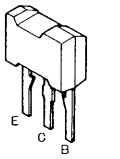
DTC124TK
2SA1162
2SC2412K-R
2SC3722K-E



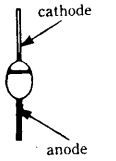
1SR139-100



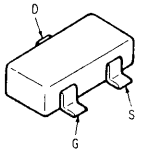
2SA1428-Y



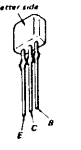
RL254



2SK1133



2SD1021
2SA1150
2SC2785-HFE
DTC124TS



3-2. PRINTED WIRING BOARDS

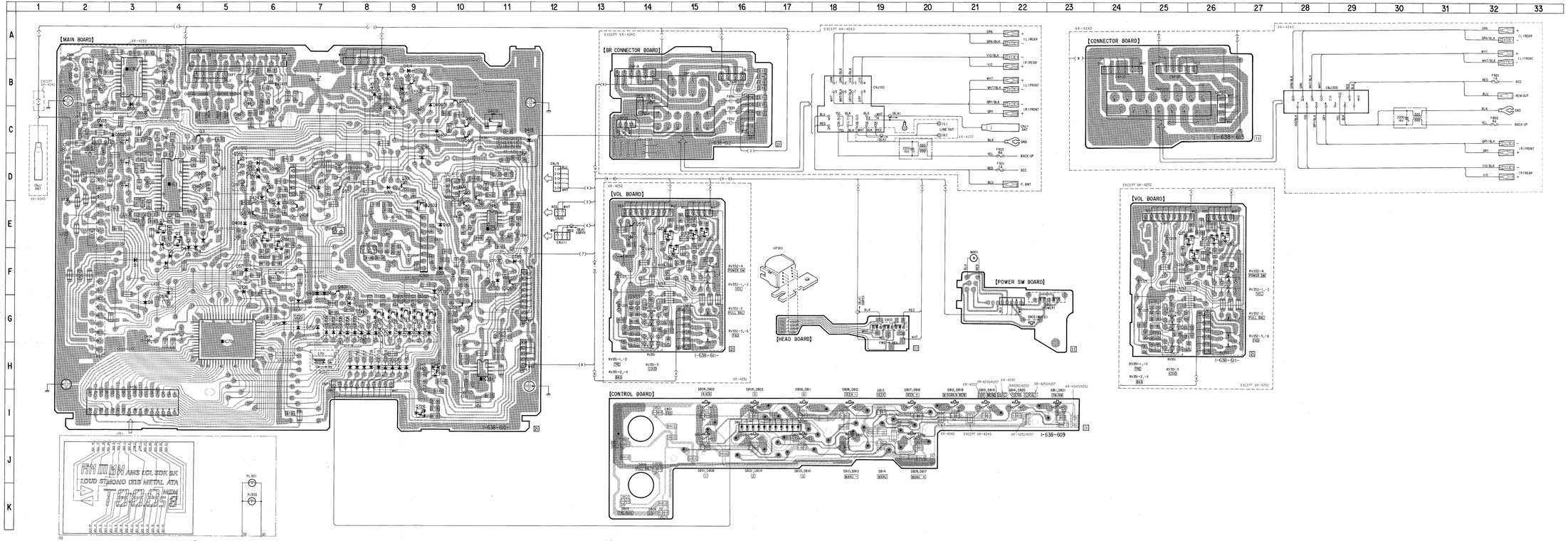
• See page 15 for Semiconductor Lead Layouts.

• SEMICONDUCTOR LOCATION

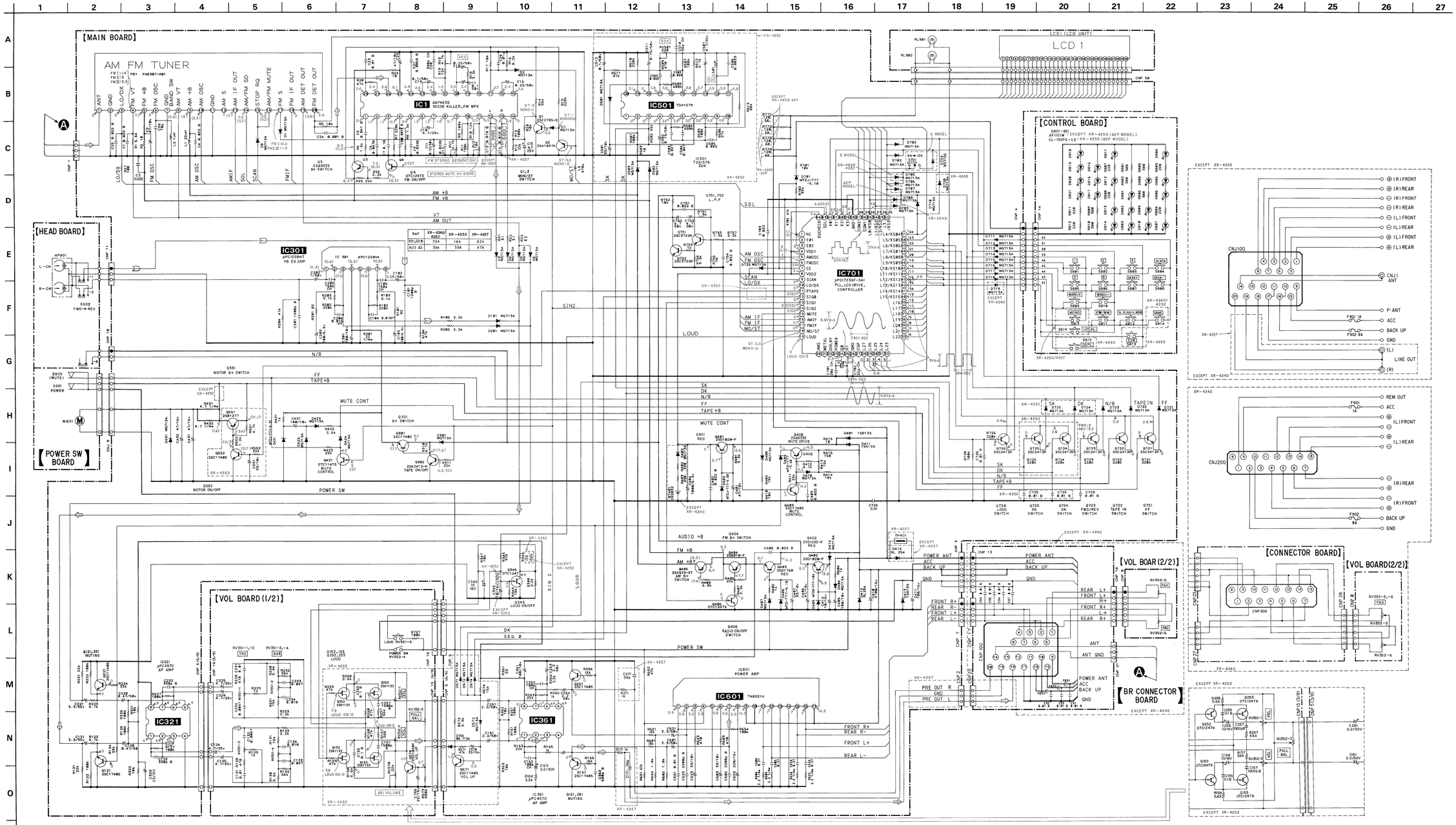
Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D1	F-3	D713	H-9	Q161	D-10
D2	E-5	D714	H-8	Q221	G-10
D3	F-4	D715	H-8	Q261	D-10
D4	F-4	D716	H-8	Q301	D-9
D5	F-4	D717	H-8	Q302	E-9
D6	F-4	D718	H-8	Q345	H-9
D7	E-4	D719	H-8	Q401	F-7
D8	G-3	D720	G-7	Q402	B-9
D101	E-10	D721	G-8	Q403	C-11
D201	F-10	D722	G-9	Q404	C-10
D301	D-8	D723	G-9	Q405	B-10
D401	F-7	D724	G-9	Q406	C-10
D402	G-7	D725	G-9	Q408	E-6
D403	G-8	D726	F-5	Q409	E-6
D404	B-8	D755	F-11	Q421	D-6
D405	B-9	D801	I-14	Q551	D-7
D406	B-9	D802	I-15	Q552	D-5
D407	C-9	D803	I-16	Q571	F-11
D408	E-5	D804	K-14	Q721	G-8
D409	D-9	D805	K-14	Q722	G-9
D410	E-6	D806	J-14	Q723	G-9
D411	F-7	D807	J-14	Q724	G-9
D412	C-8	D808	J-15	Q725	G-9
D413	C-11	D809	J-16	Q726	I-9
D414	B-9	D810	J-17	Q751	E-6
D415	B-8	D811	I-17	Q752	E-6
D421	D-6	D812	I-18		
D422	D-6	D813	J-18	XR-4252	
D423	D-6	D814	J-19	Q152	E-15
D424	D-6	D815	I-19	Q153	E-15
D431	D-7	D816	I-20	Q252	E-14
D501	B-3	D817	J-20	Q253	E-14
D502	C-3	D818	I-21	Q570	E-14
D503	C-2	D819	I-21		
D571	F-5	D820	I-22		
		D821	I-23	EXCEPT XR-4252	
D572	F-9			Q152	E-26
D573	F-11			Q153	E-26
D574	F-4	IC1	D-4	Q252	E-26
D701	G-6	IC301	E-9	Q253	F-26
D702	G-8	IC321	H-10		
		IC351	E-11		
D703	G-8	IC501	B-3		
D704	G-8				
D705	G-8	IC601	B-5		
D706	G-8	IC701	G-4		
D707	G-7				
D708	G-7	Q1	E-4		
D709	G-7	Q2	E-4		
D710	G-7	Q3	C-4		
D711	H-9	Q4	D-5		
D712	H-9	Q121	G-10		

Note on Printed Wiring Boards :

- O— : parts extracted from the component side.
- ■ : parts mounted on the conductor side.
- ● : Through hole.
- ▨ : Pattern on the side which is seen.
- ▩ : Pattern of the rear side.
- ▭ : Chip components extracted from the rear side.



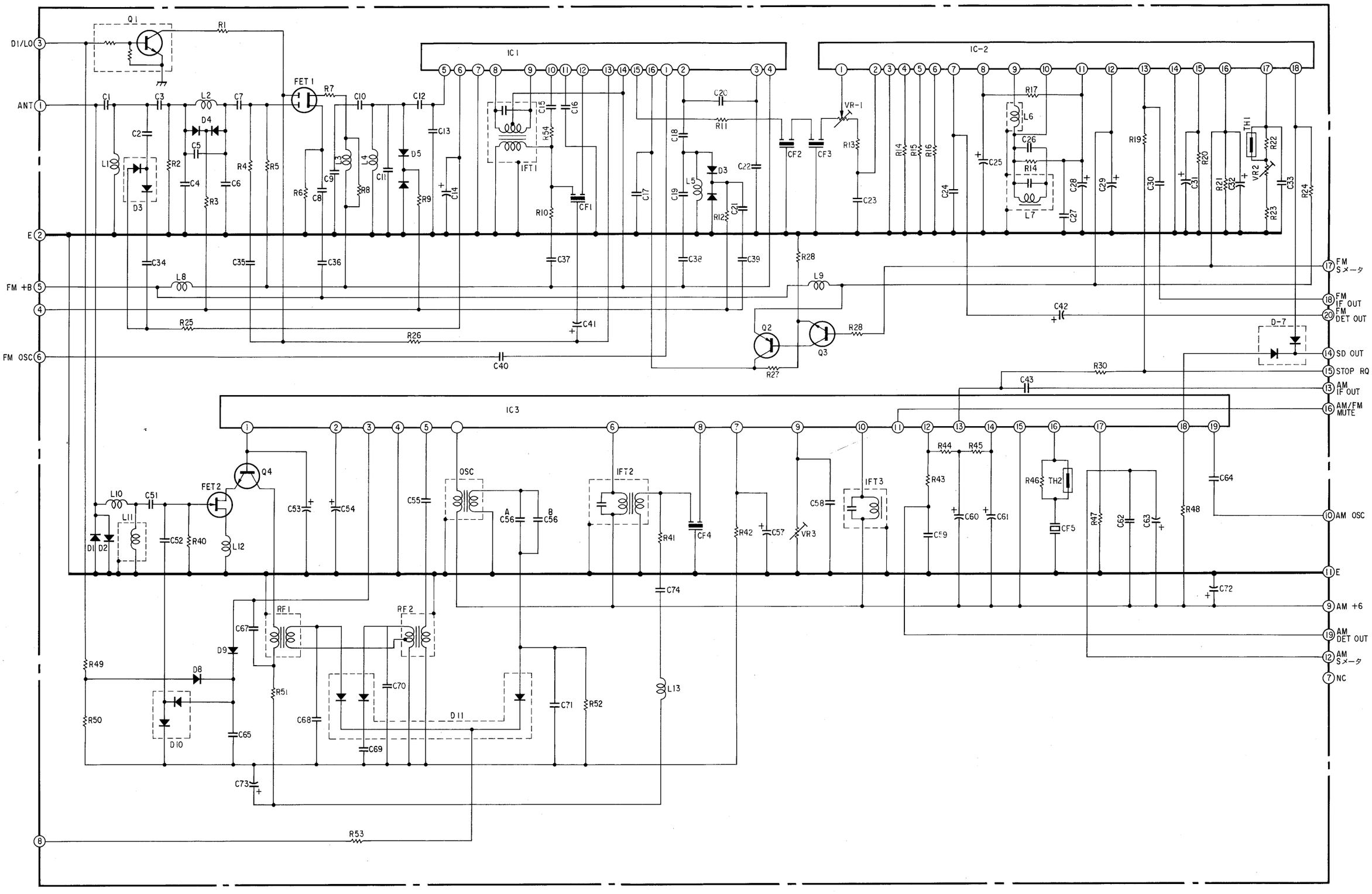
• See page 14 for IC Block Diagrams.
• See page 25 for FM/AM Front End Schematic Diagram.



Note on Schematic Diagram :

- All capacitors are in μ F unless otherwise noted. pF : μ μ F
  50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and ¼W or less unless otherwise specified.
- ▬▬ : B+ Line
- ▭ : adjustment for repair.
- Power voltage is dc 14.4V and fed with regulated dc power supply from external power voltage terminal.
- Voltage and waveforms are dc with respect to ground under no-signal (detuned) conditions.
- no mark : FM or TAPE
  ( ) : AM
- Voltages are taken with a VOM (Input impedance 10M Ω). Voltage variations may be noted due to normal production tolerances.
- Signal path.
  ⇨ : FM ⇨ : PB

3-4. FM／AM FRONT END SCHEMATIC DIAGRAM

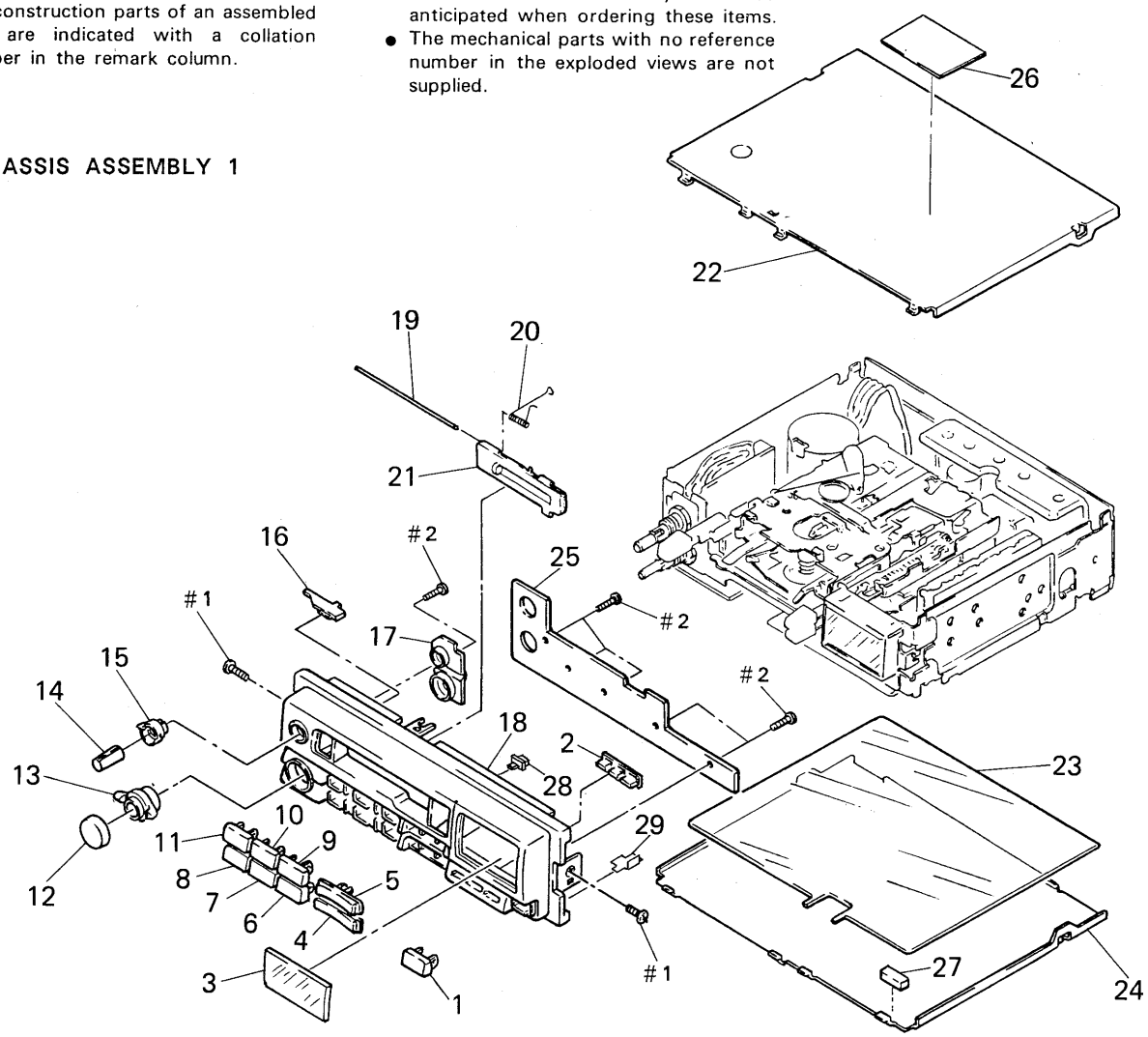


SECTION 4
EXPLODED VIEWS

NOTE:

- —XX, —X mean standardized parts, so they may have some differences from the original one.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Hardware (#mark) list is given in the last of this parts list.

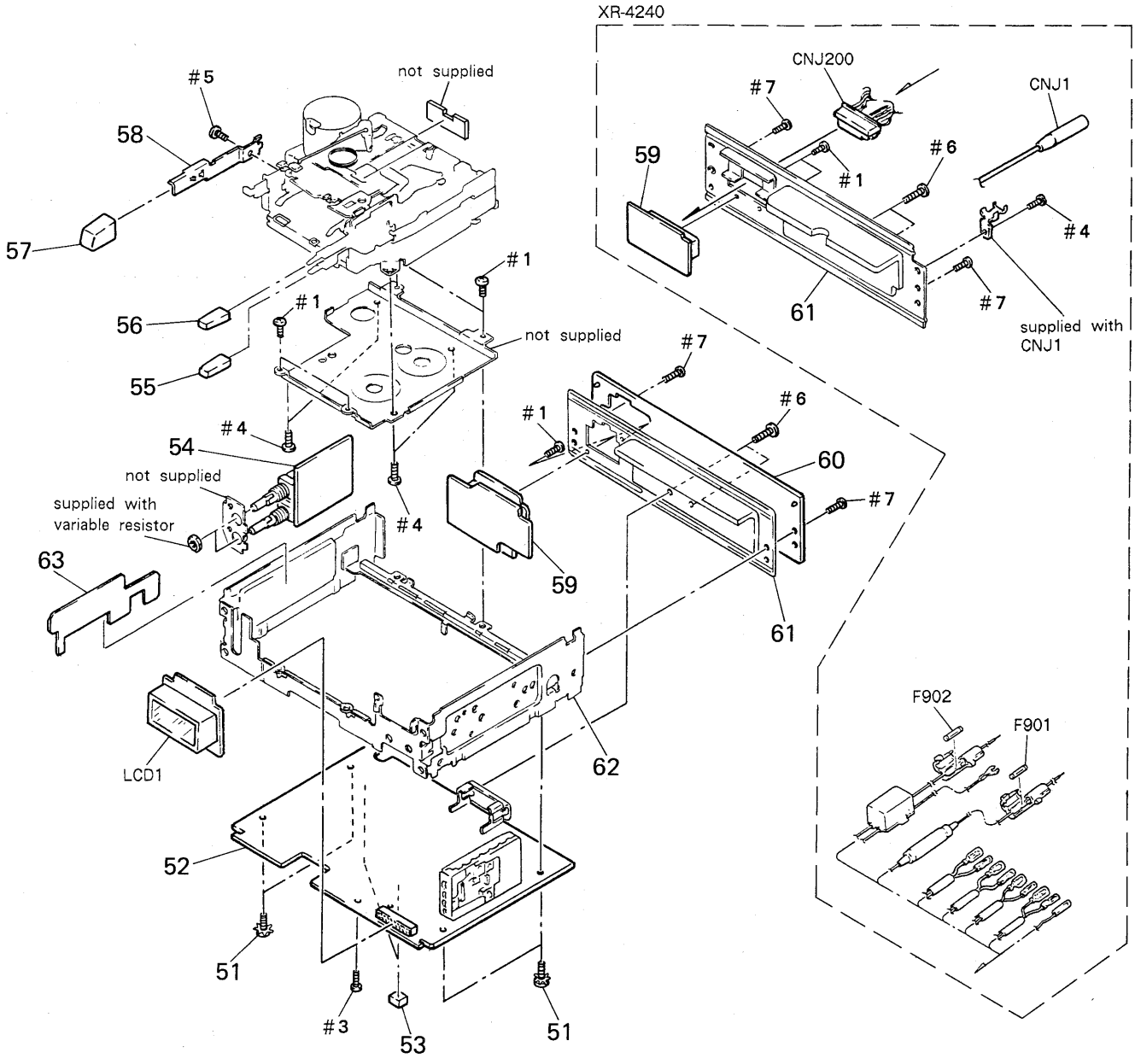
(1) CHASSIS ASSEMBLY 1



Ref. No.	Part No.	Description	Remark
1	3-366-853-01	BUTTON (RD:N1W)	
2	3-366-852-01	BUTTON (M, S, S)	
3	3-366-830-01	WINDOW (LCD)	
4	3-366-851-01	BUTTON (M:S2W)	
5	3-366-850-01	BUTTON (M:S1W)	
6	3-366-846-01	BUTTON (M:N6PW)	
7	3-366-845-01	BUTTON (M:N5PW)	
8	3-366-844-01	BUTTON (M:N4PW)	
9	3-366-843-01	BUTTON (M:N3PW)	
10	3-366-842-01	BUTTON (M:N2PW)	
11	3-366-841-01	BUTTON (M:N1PW)	
12	X-3362-740-1	KNOB (VOL) ASSY	
13	3-366-825-01	KNOB (FAD)	
14	X-3362-741-1	KNOB (TRE) ASSY	
15	3-366-826-01	KNOB (BASS)	
16	* 3-366-838-01	PLATE (EJECT)LIGHT GUIDE	
17	* 3-366-829-01	PLATE (VOL), LIGHT GUIDE	
18	X-3362-742-1	PANEL SUB ASSY, FRONT (XR-4250/4257)	
	X-3362-743-1	PANEL SUB ASSY, FRONT (XR-4252)	
	X-3362-744-1	PANEL SUB ASSY, FRONT (XR-4240)	
19	3-350-709-01	SHAFT, CASSETTE DOOR	
20	3-368-754-01	SPRING, TORSION	

Ref. No.	Part No.	Description	Remark
21	X-3362-732-1	LID ASSY, CASSETTE (XR-4250: AEP)	
	X-3362-733-1	LID ASSY, CASSETTE (XR-4257)	
	X-3362-734-1	LID ASSY, CASSETTE (XR-4252)	
	X-3362-735-1	LID ASSY, CASSETTE (XR-4250: E)	
	X-3362-737-1	LID ASSY, CASSETTE (XR-4240)	
22	* 3-353-402-01	COVER (EXCEPT XR-4252)	
	* 3-353-402-71	COVER (XR-4252)	
23	* 3-344-560-11	INSULATOR (3) (EXCEPT XR-4240/4250:E)	
	* 3-344-560-61	INSULATOR (3) (XR-4240/4250:E)	
24	* 3-353-402-01	COVER (XR-4250:AEP/4257/4252)	
	* 3-353-402-71	COVER (XR-4240/4250:E)	
25	* A-3273-433-A	CONTROL BOARD, COMPLETE (XR-4240)	
	* A-3273-441-A	CONTROL BOARD, COMPLETE (XR-4250: E/4257)	
	* A-3273-442-A	CONTROL BOARD, COMPLETE (XR-4250: AEP)	
	* A-3273-443-A	CONTROL BOARD, COMPLETE (XR-4252)	
26	* 3-366-869-01	LABEL, MODEL NUMBER (XR-4250: AEP)	
	* 3-366-870-01	LABEL, MODEL NUMBER (XR-4252)	
	* 3-366-871-01	LABEL, MODEL NUMBER (XR-4257: US)	
	* 3-366-872-01	LABEL, MODEL NUMBER (XR-4240)	
	* 3-366-874-01	LABEL, MODEL NUMBER (XR-4257: Canadian)	
26	* 3-366-875-01	LABEL, MODEL NUMBER (XR-4250: E)	
27	9-911-840-XX	CUSHION, CASSETTE LID	
28	* 3-366-839-01	PLATE(FF)LIGHT GUIDE	
29	* 3-368-473-01	PLATE(F), SHIELD	

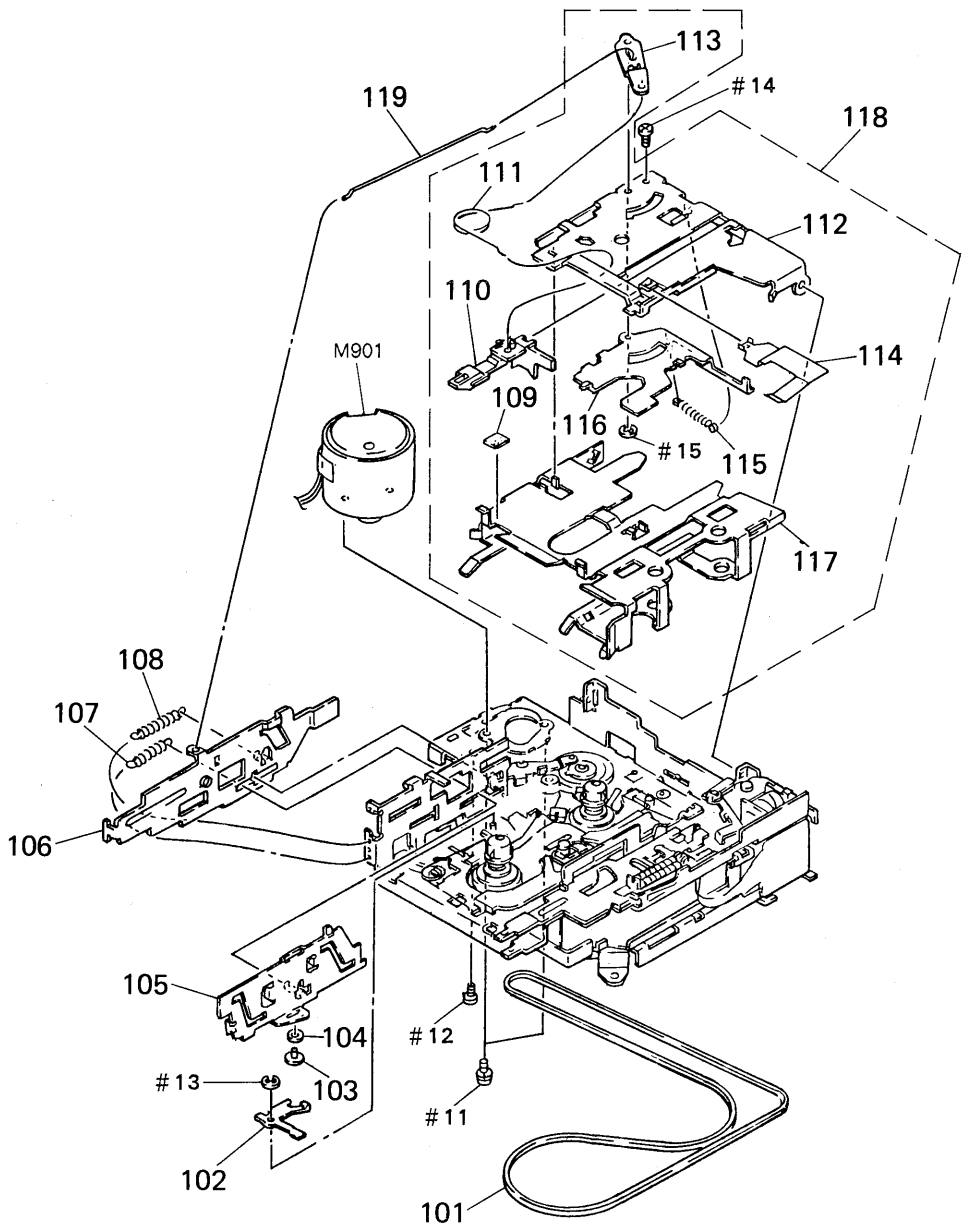
(2) CHASSIS ASSEMBLY 2



Ref. No.	Part No.	Description	Remark
51	3-344-501-11	SCREW (+ PTT 3X8), GROUND POINT	
52	* A-3222-245-A	MAIN BOARD, COMPLETE (XR-4240)	
	* A-3222-246-A	MAIN BOARD, COMPLETE (XR-4250: E)	
	* A-3222-247-A	MAIN BOARD, COMPLETE (XR-4250: AEP)	
	* A-3222-248-A	MAIN BOARD, COMPLETE (XR-4252)	
52	* A-3222-249-A	MAIN BOARD, COMPLETE (XR-4257)	
53	9-911-841-XX	CUSHION, CASSETTE LID	
54	* A-3273-438-A	VOL BOARD, COMPLETE (EXCEPT XR-4252)	
	* A-3273-440-A	VOL BOARD, COMPLETE (XR-4252)	
55	3-366-837-01	BUTTON (REW)	
56	3-366-836-01	BUTTON (FF)	

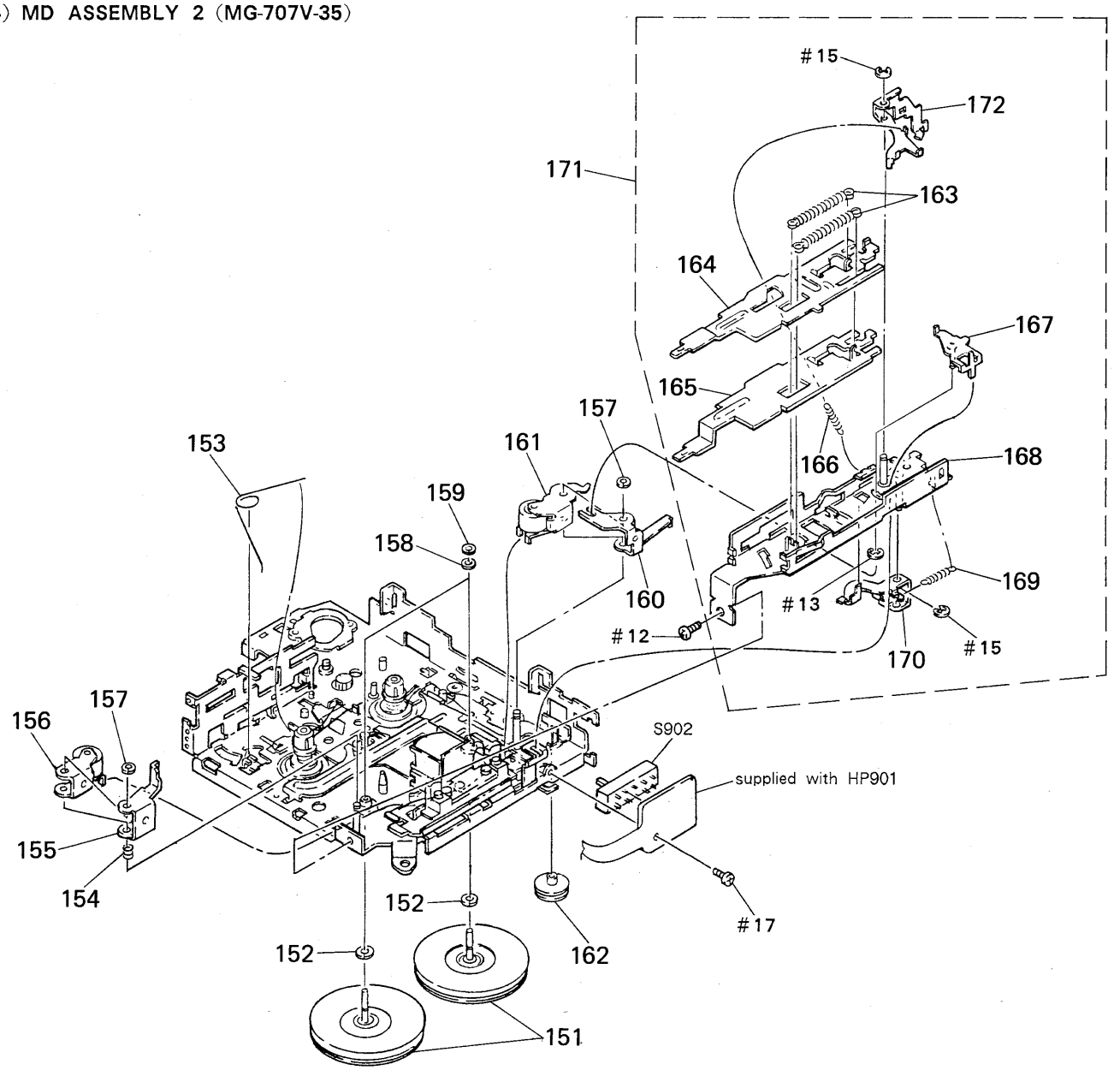
Ref. No.	Part No.	Description	Remark
57	3-366-835-01	BUTTON (EJECT)	
58	* 3-366-857-01	LEVER (EJECT)	
59	* 1-638-612-11	BR CONNECTOR BOARD (EXCEPT XR-4240)	
	* 1-638-613-11	CONNECTOR BOARD (XR-4240)	
60	* 3-366-840-01	PANEL (REAR) (EXCEPT XR-4240)	
61	* X-3362-729-1	CHASSIS (REAR A) ASSY (EXCEPT XR-4240)	
	* X-3362-731-1	CHASSIS (REAR C) ASSY (XR-4240)	
62	* X-3362-728-1	CHASSIS ASSY	
63	* 3-368-475-01	INSULATOR (XR-4240)	
CNJ1	1-574-339-11	CORD (WITH CONNECTOR) (XR-4240)	
CNJ200	1-590-584-11	CORD (WITH CONNECTOR) (XR-4240)	
F901	1-532-433-11	FUSE, GLASS TUBE 1A (XR-4240)	
F902	1-576-075-11	FUSE, GLASS TUBE 8A (XR-4240)	
LCD1	1-809-289-11	DISPLAY PANEL, LIQUID CRYSTAL (EXCEPT XR-4250: AEP)	
	1-809-289-21	DISPLAY PANEL, LIQUID CRYSTAL (XR-4250: AEP)	

(3) MD ASSEMBLY 1 (MG-707V-35)



Ref. No.	Part No.	Description	Remark
101	3-367-284-01	BELT, MAIN	
102	3-367-313-01	ARM, H.P PUSH	
103	3-367-264-01	ROLLER (A), H.P	
104	3-367-265-01	ROLLER (B), H.P	
105	* 3-367-311-01	PLATE (M), PUSH, C.H	
106	* 3-367-269-01	LEVER (M), PUSH	
107	3-367-267-01	SPRING, C.H	
108	3-367-268-01	SPRING, PUSH LEVER	
109	3-367-254-01	RUBBER, CUSHION	
110	3-367-258-01	SLIDER (C), PACK	
111	3-367-255-01	SPRING (C), REVERSE	
112	* 3-367-251-01	LIFTER, CASE	
113	* 3-367-252-01	RIVETING ASSY, P.E PLATE	
114	* 3-367-259-01	SPRING, PACK RETAINER	
115	3-367-253-01	SPRING, C.D	
116	* 3-367-257-01	PLATE (B), C.D	
117	* 3-367-256-01	CASE (M), CASSETTE	
118	X-3362-789-1	CASETE CASE ASSY (109-117, #15)	
119	3-367-260-01	SPRING, P.E	
M901	3-367-276-01	MOTOR ASSY	

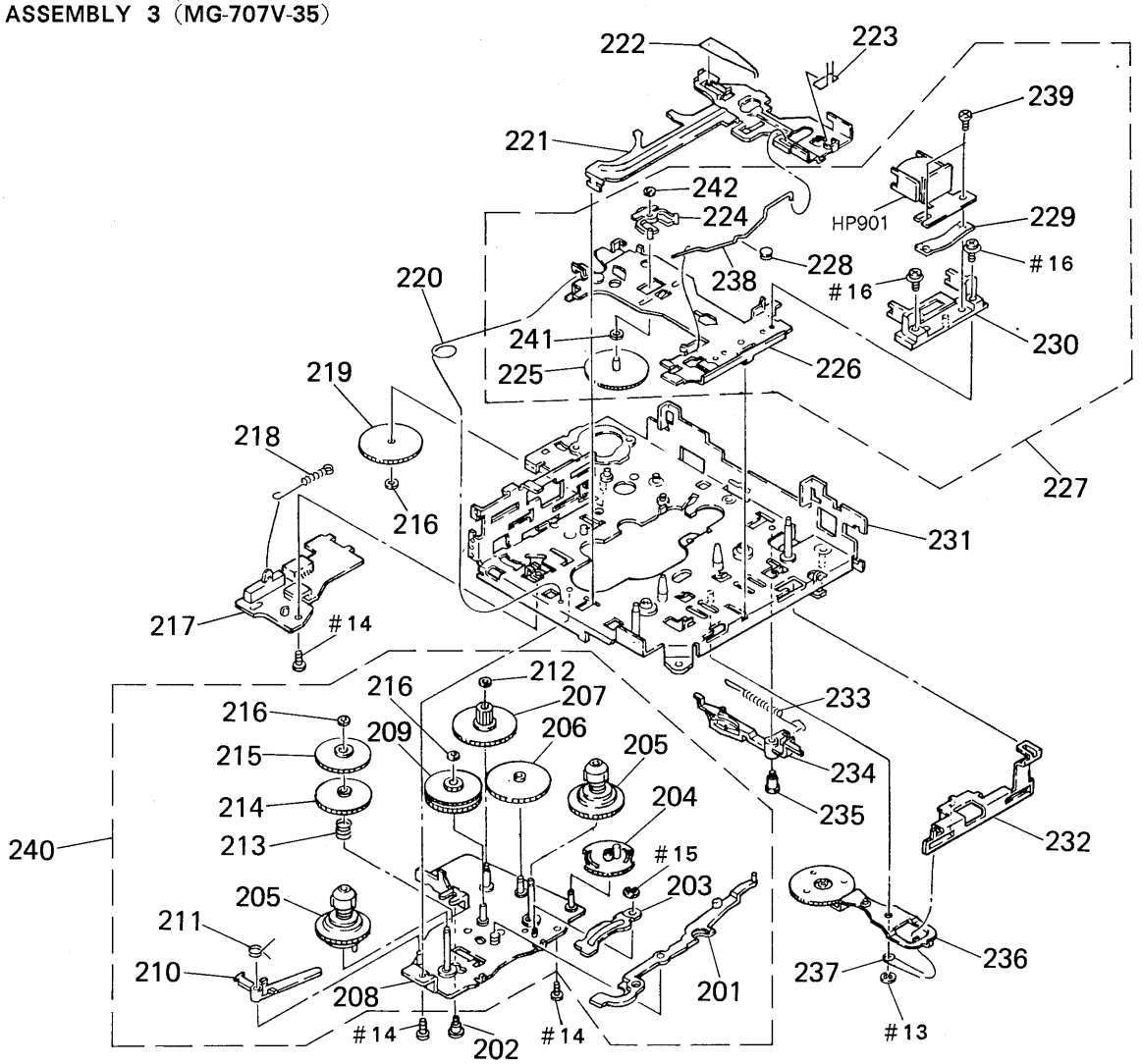
(4) MD ASSEMBLY 2 (MG-707V-35)



Ref. No.	Part No.	Description	Remark
151	3-367-283-01	RIVETING ASSY, F.L CAPSTAN	
152	3-701-437-01	WASHER	
153	3-367-314-01	SPRING (M), HEAD PANEL	
154	3-367-285-01	SPRING, P.P	
155	* 3-367-296-01	ARM, H.P RETURN	
156	3-367-232-01	ARM (R) ASSY, PINCH ROLLER	
157	3-676-387-00	POLY-SLIDER (DIA. 1.6)	
158	3-315-495-41	WASHER	
159	3-592-680-00	WASHER (C), POLYETHYLENE	
160	* 3-367-292-01	PLATE, FUNCTION, SEESAW	
161	3-367-231-01	ARM (F) ASSY, PINCH ROLLER	
162	3-367-287-01	PULLEY, MIDWAY	

Ref. No.	Part No.	Description	Remark
163	3-367-298-01	SPRING, F.R LEVER	
164	* 3-367-299-01	LEVER (M.V), FF	
165	* 3-367-300-01	LEVER (M.V), REW	
166	3-367-304-01	SPRING (M), LOCK PLATE	
167	* 3-367-234-01	RIVETING ASSY, SEESAW PLATE (M)	
168	* 3-367-233-01	RIVETING ASSY, F.R BRACKET (M)	
169	3-367-302-01	SPRING, P.C	
170	* 3-367-301-01	PLATE, P.C	
171	X-3362-792-1	F·R LEVER ASSY	
172	* 3-367-303-01	LOCK PLATE (M)	
S902	1-572-712-11	SWITCH, SLIDE	

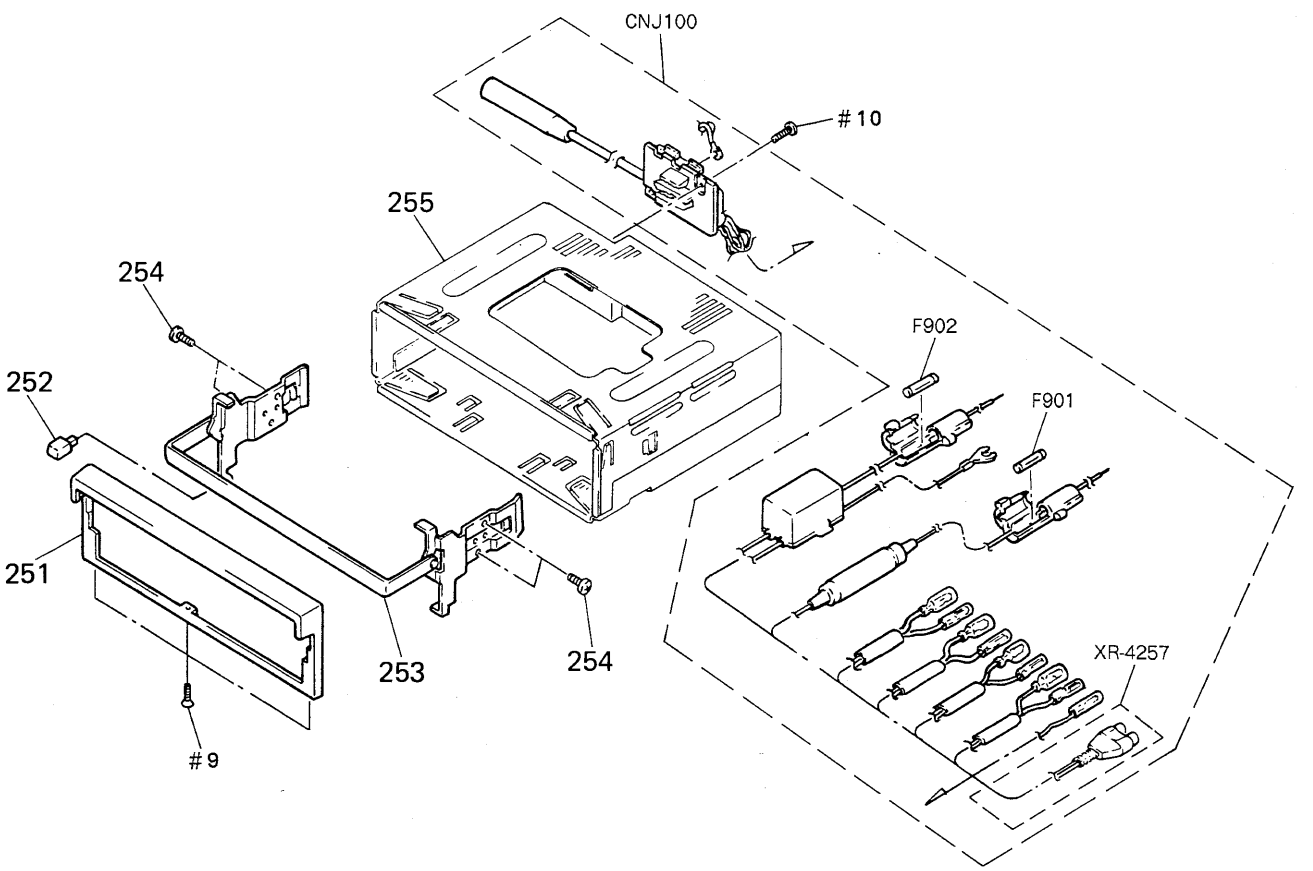
(5) MD ASSEMBLY 3 (MG-707V-35)



Ref. No.	Part No.	Description	Remark
201	3-367-241-01	PLATE (B), E.D	
202	3-367-295-01	SCREW (P), COLOR	
203	* 3-367-245-01	PLATE, LIFTUP	
204	3-367-240-01	GEAR (M), REVERSE	
205	3-367-235-01	REEL ASSY, T	
206	3-367-239-01	GEAR, E.D	
207	3-367-238-01	GEAR, P.D	
208	* 3-367-242-01	RIVETING ASSY, M.G PLATE	
209	3-367-244-01	CLUTCH ASSY, P	
210	3-367-246-01	ARM, REVERSE PREVENTION	
211	3-367-247-01	SPRING	
212	3-676-387-00	POLY-SLIDER (DIA.1.6)	
213	3-367-243-01	SPRING, T.N	
214	3-367-237-01	GEAR (R), F	
215	3-367-236-01	GEAR (R), P	
216	3-318-236-01	WASHER, POLY, SLIT	
217	* 3-367-315-01	SWITCH ASSY, POWER	
218	3-367-293-01	SPRING, POWER SWITCH	
219	3-367-286-01	GEAR (M), MAIN	
220	3-367-314-01	SPRING (M), HEAD PANEL	
221	* 3-367-272-01	PLATE, MAIN	
222	3-367-273-01	SPRING, M.S	

Ref. No.	Part No.	Description	Remark
223	3-367-274-01	SPRING, H.S	
224	3-367-226-01	METAL, P. GEAR	
225	3-367-227-01	GEAR, P	
226	* 3-367-223-01	RIVETING ASSY, HEAD PANEL	
227	X-3362-824-1	HEAD PANEL ASSY	
228	3-367-224-01	ROLLER, SP	
229	3-367-229-01	PLATE (H), HEAD SP	
230	3-367-228-01	GUIDE, TAPE	
231	* 3-367-222-01	RIVETING ASSY, CHASSIS	
232	* 3-367-294-01	PLATE (M), F.R SLIDE	
233	3-367-297-01	SPRING (C), T.A	
234	3-367-289-01	ARM (C), TRIGGER	
235	3-367-290-01	SCREW (T), COLOR	
236	X-3362-791-1	F·R WORKING ASSY	
237	3-367-282-01	SPRING (M), F.R	
238	3-367-225-01	SPRING, P.R	
239	3-390-757-01	SCREW, ADJUSTMENT, AZIMUTH	
240	X-3362-788-1	M·G PLATE ASSY	
241	3-701-447-11	WASHER, 10	
242	3-325-290-21	WASHER, STOPPER	
HP901	1-543-829-11	HEAD, CERAMIC (PLAYBACK)	

(6) BRACKET ASSEMBLY



Ref. No.	Part No.	Description	Remark
251	3-367-061-01	FRAME, ORNAMENTAL (EXCEPT XR-4240)	
252	3-367-065-01	BUTTON (HANDLE) (EXCEPT XR-4240)	
253	X-3362-761-1	HANDLE ASSY (EXCEPT XR-4240)	
254	3-344-561-02	SCREW (M4X5) (EXCEPT XR-4240)	
255	* X-3362-727-1	BRACKET ASSY (EXCEPT XR-4240)	

Ref. No.	Part No.	Description	Remark
CNJ100	1-590-580-11	CORD (WITH CONNECTOR)	(XR-4257)
	1-590-582-11	CORD (WITH CONNECTOR)	(XR-4250/4252)
F901	1-532-414-11	FUSE, GLASS TUBE 1A	(XR-4250/4252)
F901	1-532-433-11	FUSE, GLASS TUBE 1A	(XR-4257)
F902	1-532-508-11	FUSE, GLASS TUBE 8A	(XR-4250/4252)
	1-576-075-11	FUSE, GLASS TUBE 8A	(XR-4257)

SECTION 5
ELECTRICAL PARTS LIST

BR CONNECTOR

CONTROL

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- –XX, –X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
  All resistors are in ohms
  METAL : Metal-film resistor
  METAL OXIDE : Metal Oxide-film resistor
  F : nonflammable
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
  In each case, u: μ, for example:
  uA....: μA...., uPA....: μPA....
  uPB....: μPB...., uPC....: μPC....
  uPD....: μPD....
- CAPACITORS
  uF: μF
- COILS
  uH: μH

When indicating parts by reference number, please include the board name.

Ref. No.	Part No.	Description	Remark
	* 1-638-612-11	BR CONNECTOR BOARD (EXCEPT XR-4240)	
		**********	
	* 1-638-613-11	CONNECTOR BOARD (XR-4240)	
		**********	
		< CAPACITOR >	
C91	1-164-232-11	CERAMIC CHIP 0.01uF 50V (EXCEPT XR-4240)	
C92	1-164-232-11	CERAMIC CHIP 0.01uF 50V (EXCEPT XR-4240)	
C93	1-164-232-11	CERAMIC CHIP 0.01uF 50V (EXCEPT XR-4240)	
C94	1-164-232-11	CERAMIC CHIP 0.01uF 50V (EXCEPT XR-4240)	
C95	1-164-232-11	CERAMIC CHIP 0.01uF 50V (EXCEPT XR-4240)	
C96	1-164-232-11	CERAMIC CHIP 0.01uF 50V (EXCEPT XR-4240)	
C97	1-164-232-11	CERAMIC CHIP 0.01uF 50V (EXCEPT XR-4240)	
		< CONNECTOR >	
CNP13	* 1-564-521-11	PLUG, CONNECTOR 6P (EXCEPT XR-4240)	
CNP17	* 1-564-519-11	PLUG, CONNECTOR 4P (EXCEPT XR-4240)	
CNP18	* 1-564-521-11	PLUG, CONNECTOR 6P (EXCEPT XR-4240)	
CNP21	* 1-564-719-51	PIN, CONNECTOR (SMALL TYPE) 3P (EXCEPT XR-4240)	
CNP22	* 1-564-705-11	PIN, CONNECTOR (SMALL TYPE) 3P (XR-4257)	
CNP23	* 1-564-521-11	PLUG, CONNECTOR 6P (XR-4240)	
CNP27	* 1-564-507-11	PLUG, CONNECTOR 4P (XR-4240)	
CNP28	* 1-564-521-11	PLUG, CONNECTOR 6P (XR-4240)	
CNP100	1-580-979-11	PLUG, CONNECTOR 20P (EXCEPT XR-4240)	
CNP200	1-580-981-11	CONNECTOR (XR-4240)	
		< FERRITE BEAD INDUCTOR >	
FB91	1-410-396-41	FERRITE BEAD INDUCTOR (EXCEPT XR-4240)	
FB92	1-410-397-21	FERRITE BEAD INDUCTOR (EXCEPT XR-4240)	
FB93	1-410-397-21	FERRITE BEAD INDUCTOR (EXCEPT XR-4240)	
**********			

Ref. No.	Part No.	Description	Remark
	* A-3273-433-A	CONTROL BOARD, COMPLETE (XR-4240)	
		**********	
	* A-3273-441-A	CONTROL BOARD, COMPLETE	
		********** (XR-4250: E/4257)	
	* A-3273-442-A	CONTROL BOARD, COMPLETE (XR-4250: AEP)	
		**********	
	* A-3273-443-A	CONTROL BOARD, COMPLETE (XR-4252)	
		**********	
		< DIODE >	
D801	8-719-975-84	LED AY1101W (FAD) (EXCEPT XR-4250: AEP)	
D801	8-719-987-43	LED CL-150PG-CD (FAD) (XR-4250: AEP)	
D802	8-719-975-84	LED AY1101W (4/ATA) (EXCEPT XR-4250: AEP)	
D802	8-719-987-43	LED CL-150PG-CD (4/ATA) (XR-4250: AEP)	
D803	8-719-975-84	LED AY1101W (5) (EXCEPT XR-4250: AEP)	
D803	8-719-987-43	LED CL-150PG-CD (5) (XR-4250: AEP)	
D804	8-719-975-84	LED AY1101W (LOUD) (EXCEPT XR-4250: AEP)	
D804	8-719-987-43	LED CL-150PG-CD (LOUD) (XR-4250: AEP)	
D805	8-719-975-84	LED AY1101W (TRE/BAS) (EXCEPT XR-4250: AEP)	
D805	8-719-987-43	LED CL-150PG-CD (TRE/BAS) (XR-4250: AEP)	
D806	8-719-975-84	LED AY1101W (PULL BAL) (EXCEPT XR-4250: AEP)	
D806	8-719-987-43	LED CL-150PG-CD (PULL BAL) (XR-4250: AEP)	
D807	8-719-975-84	LED AY1101W (VOL) (EXCEPT XR-4250: AEP)	
D807	8-719-987-43	LED CL-150PG-CD (VOL) (XR-4250: AEP)	
D808	8-719-975-84	LED AY1101W (1) (EXCEPT XR-4250: AEP)	
D808	8-719-987-43	LED CL-150PG-CD (1) (XR-4250: AEP)	
D809	8-719-975-84	LED AY1101W (2) (EXCEPT XR-4250: AEP)	
D809	8-719-987-43	LED CL-150PG-CD (2) (XR-4250: AEP)	
D810	8-719-975-84	LED AY1101W (3) (EXCEPT XR-4250: AEP)	
D810	8-719-987-43	LED CL-150PG-CD (3) (XR-4250: AEP)	
D811	8-719-975-84	LED AY1101W (6) (EXCEPT XR-4250: AEP)	

CONTROL MAIN

Ref. No.	Part No.	Description	Remark
D811	8-719-987-43	LED CL-150PG-CD (6) (XR-4250: AEP)	
D812	8-719-975-84	LED AY1101W (SEEK -) (EXCEPT XR-4250: AEP)	
D812	8-719-987-43	LED CL-150PG-CD (SEEK -) (XR-4250: AEP)	
D813	8-719-975-84	LED AY1101W (MANU -) (EXCEPT XR-4250: AEP)	
D813	8-719-987-43	LED CL-150PG-CD (MANU -) (XR-4250: AEP)	
D814	8-719-975-84	LED AY1101W (MANU) (EXCEPT XR-4250: AEP)	
D814	8-719-987-43	LED CL-150PG-CD (MANU) (XR-4250: AEP)	
D815	8-719-975-84	LED AY1101W (SEEK) (EXCEPT XR-4250: AEP)	
D815	8-719-987-43	LED CL-150PG-CD (SEEK) (XR-4250: AEP)	
D816	8-719-975-84	LED AY1101W (SEEK +) (EXCEPT XR-4250: AEP)	
D816	8-719-987-43	LED CL-150PG-CD (SEEK +) (XR-4250: AEP)	
D817	8-719-975-84	LED AY1101W (MANU +) (EXCEPT XR-4250: AEP)	
D817	8-719-987-43	LED CL-150PG-CD (MANU +) (XR-4250: AEP)	
D818	8-719-975-84	LED AY1101W (M. SCAN/A. MEM) (EXCEPT XR-4250: AEP)	
D818	8-719-987-43	LED CL-150PG-CD (M. SCAN/A. MEM) (XR-4250: AEP)	
D819	8-719-975-84	LED AY1101W (SDK/MONO/DSPL) (EXCEPT XR-4250: AEP)	
D819	8-719-987-43	LED CL-150PG-CD (MONO) (XR-4250: AEP)	
D820	8-719-975-84	LED AY1101W (SENS) (EXCEPT XR-4250: AEP)	
D820	8-719-987-43	LED CL-150PG-CD (LOCAL) (XR-4250: AEP)	
D821	8-719-975-84	LED AY1101W (FM/AM) (EXCEPT XR-4250: AEP)	
D821	8-719-987-43	LED CL-150PG-CD (FM/AM) (XR-4250: AEP)	
		< RESISTOR >	
R801	1-216-185-00	METAL GLAZE 300 5% 1/8W	
R802	1-216-185-00	METAL GLAZE 300 5% 1/8W	
R803	1-216-182-00	METAL GLAZE 220 5% 1/8W	
R804	1-216-182-00	METAL GLAZE 220 5% 1/8W	
R805	1-216-185-00	METAL GLAZE 300 5% 1/8W	
R806	1-216-185-00	METAL GLAZE 300 5% 1/8W	
R807	1-216-182-00	METAL GLAZE 220 5% 1/8W	
R808	1-216-182-00	METAL GLAZE 220 5% 1/8W	
R809	1-216-185-00	METAL GLAZE 300 5% 1/8W	
R810	1-216-185-00	METAL GLAZE 300 5% 1/8W	
R811	1-216-182-00	METAL GLAZE 220 5% 1/8W	
R812	1-216-182-00	METAL GLAZE 220 5% 1/8W	
		< SWITCH >	
S801	1-572-704-21	SWITCH, KEY BOARD (1)	
S802	1-572-704-21	SWITCH, KEY BOARD (2)	
S803	1-572-704-21	SWITCH, KEY BOARD (3)	
S804	1-572-704-21	SWITCH, KEY BOARD (4/ATA)	
S805	1-572-704-21	SWITCH, KEY BOARD (5)	
S806	1-572-704-21	SWITCH, KEY BOARD (6)	
S807	1-572-704-21	SWITCH, KEY BOARD (SEEK +)	
S808	1-572-704-21	SWITCH, KEY BOARD (SEEK -)	
S809	1-572-704-21	SWITCH, KEY BOARD (MANU +)	
S810	1-572-704-21	SWITCH, KEY BOARD (MANU -)	
S811	1-572-704-21	SWITCH, KEY BOARD (FM/AM)	
S812	1-572-704-21	SWITCH, KEY BOARD (M. SCAN/A. MEM)	
S813	1-572-704-21	SWITCH, KEY BOARD (SDK) (MONO) (DSPL)	
S814	1-572-704-21	SWITCH, KEY BOARD (SENS) (LOCAL)	
**********			
*	A-3222-245-A	MAIN BOARD, COMPLETE (XR-4240)	
		**********	
*	A-3222-246-A	MAIN BOARD, COMPLETE (XR-4250: E)	
		**********	
*	A-3222-247-A	MAIN BOARD, COMPLETE (XR-4250: AEP)	
		**********	
*	A-3222-248-A	MAIN BOARD, COMPLETE (XR-4252)	
		**********	
*	A-3222-249-A	MAIN BOARD, COMPLETE (XR-4257)	
		**********	
		< BATTERY >	
BT401	1-528-225-31	BATTERY, LITHIUM (EXCEPT XR-4240)	
		< CAPACITOR >	
C1	1-163-063-00	CERAMIC CHIP 0.022uF 10% 50V	
C2	1-124-589-11	ELECT 47uF 20% 16V	
C3	1-163-037-11	CERAMIC CHIP 0.022uF 10% 25V	
C4	1-163-037-11	CERAMIC CHIP 0.022uF 10% 25V	
C5	1-164-493-11	CERAMIC CHIP 0.047uF 10% 50V	
C6	1-163-809-11	CERAMIC CHIP 0.047uF 10% 25V	
C7	1-164-004-11	CERAMIC CHIP 0.1uF 10% 25V	
C8	1-164-182-11	CERAMIC CHIP 0.0033uF 10% 50V	
C9	1-163-037-11	CERAMIC CHIP 0.022uF 10% 25V	
C10	1-126-163-11	ELECT 4.7uF 20% 50V	
C11	1-124-252-00	ELECT 0.33uF 20% 50V	
C12	1-163-037-11	CERAMIC CHIP 0.022uF 10% 25V	
C13	1-163-024-00	CERAMIC CHIP 0.018uF 10% 50V (EXCEPT XR-4257)	
C13	1-163-037-11	CERAMIC CHIP 0.022uF 10% 25V (XR-4257)	
C14	1-163-024-00	CERAMIC CHIP 0.018uF 10% 50V (EXCEPT XR-4257)	
C14	1-163-037-11	CERAMIC CHIP 0.022uF 10% 25V (XR-4257)	
C15	1-126-163-11	ELECT 4.7uF 20% 50V	
C16	1-124-464-11	ELECT 0.22uF 20% 50V	
C17	1-124-463-00	ELECT 0.1uF 20% 50V	

MAIN

Ref. No.	Part No.	Description			Remark
C18	1-124-464-11	ELECT	0.22uF	20%	50V
C19	1-124-463-00	ELECT	0.1uF	20%	50V
C20	1-137-054-11	FILM	390PF	5%	50V
C21	1-163-019-00	CERAMIC CHIP	0.0068uF	10%	50V
C22	1-124-589-11	ELECT	47uF	20%	16V
C23	1-163-059-00	CERAMIC CHIP	0.01uF	10%	50V
C24	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C25	1-163-063-00	CERAMIC CHIP	0.022uF	10%	50V
C26	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C99	1-163-157-00	CERAMIC CHIP	10PF	5%	50V
C101	1-163-010-11	CERAMIC CHIP	0.0012uF	10%	50V
C102	1-126-160-11	ELECT	1uF	20%	50V
C103	1-124-584-00	ELECT	100uF	20%	10V
C104	1-136-155-00	FILM	0.015uF	5%	50V
C105	1-163-121-00	CERAMIC CHIP	150PF	5%	50V
C121	1-126-162-11	ELECT	3.3uF	20%	50V
C122	1-163-003-11	CERAMIC CHIP	330PF	10%	50V
C128	1-124-465-00	ELECT	0.47uF	20%	50V
C156	1-126-157-11	ELECT	10uF	20% 16V	(EXCEPT XR-4252)
C161	1-124-257-00	ELECT	2.2uF	20%	50V
C162	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C163	1-124-257-00	ELECT	2.2uF	20%	50V
C164	1-124-257-00	ELECT	2.2uF	20%	50V
C171	1-163-175-00	CERAMIC CHIP	56PF	5% 50V	(XR-4257)
C201	1-163-010-11	CERAMIC CHIP	0.0012uF	10%	50V
C202	1-126-160-11	ELECT	1uF	20%	50V
C203	1-124-584-00	ELECT	100uF	20%	10V
C204	1-136-155-00	FILM	0.015uF	5%	50V
C205	1-163-121-00	CERAMIC CHIP	150PF	5%	50V
C221	1-126-162-11	ELECT	3.3uF	20%	50V
C222	1-163-193-00	CERAMIC CHIP	330PF	10%	50V
C228	1-124-465-00	ELECT	0.47uF	20%	50V
C256	1-126-157-11	ELECT	10uF	20% 16V	(EXCEPT XR-4252)
C261	1-124-257-00	ELECT	2.2uF	20%	50V
C262	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C263	1-124-257-00	ELECT	2.2uF	20%	50V
C264	1-124-257-00	ELECT	2.2uF	20%	50V
C271	1-163-175-00	CERAMIC CHIP	56PF	5% 50V	(XR-4257)
C301	1-124-584-00	ELECT	100uF	20%	10V
C322	1-124-229-00	ELECT	33uF	20%	10V
C345	1-126-157-11	ELECT	10uF	20% 16V	(EXCEPT XR-4252)
C345	1-126-160-11	ELECT	1uF	20% 50V	(XR-4252)
C346	1-126-157-11	ELECT	10uF	20%	16V
C361	1-124-584-00	ELECT	100uF	20%	10V
C362	1-163-007-11	CERAMIC CHIP	680PF	10%	50V
C401	1-124-589-11	ELECT	47uF	20%	16V
C402	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V
C404	1-124-471-00	ELECT	1000uF	20%	6.3V
C405	1-124-584-00	ELECT	100uF	20%	10V

Ref. No.	Part No.	Description			Remark
C406	1-124-589-11	ELECT	47uF	20%	16V
C407	1-124-229-00	ELECT	33uF	20%	10V
C408	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V
C409	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V
C410	1-126-937-11	ELECT	4700uF	20%	16V
C411	1-126-933-11	ELECT	100uF	20%	16V
C412	1-126-157-11	ELECT	10uF	20%	16V
C421	1-124-584-00	ELECT	100uF	20%	10V
C431	1-124-589-11	ELECT	47uF	20%	16V
C432	1-124-589-11	ELECT	47uF	20%	16V
C501	1-124-229-00	ELECT	33uF	20% 10V	(XR-4252)
C502	1-124-250-00	ELECT	0.15uF	20% 50V	(XR-4252)
C503	1-136-158-00	FILM	0.027uF	5% 50V	(XR-4252)
C504	1-136-161-00	FILM	0.047uF	5% 50V	(XR-4252)
C505	1-136-164-00	FILM	0.082uF	5% 50V	(XR-4252)
C506	1-130-477-00	MYLAR	0.0033uF	5% 50V	(XR-4252)
C507	1-126-163-11	ELECT	4.7uF	20% 50V	(XR-4252)
C508	1-136-175-00	FILM	0.068uF	5% 50V	(XR-4252)
C509	1-136-175-00	FILM	0.068uF	5% 50V	(XR-4252)
C510	1-163-175-00	CERAMIC CHIP	56PF	5% 50V	(XR-4252)
C511	1-124-250-00	ELECT	0.15uF	20% 50V	(XR-4252)
C512	1-124-463-00	ELECT	0.1uF	20% 50V	(XR-4252)
C551	1-124-229-00	ELECT	33uF	20% 10V	(XR-4252)
C570	1-124-234-00	ELECT	22uF	20% 16V	(XR-4252)
C601	1-126-162-11	ELECT	3.3uF	20%	50V
C602	1-163-213-00	CERAMIC CHIP	0.0022uF	5%	50V
C603	1-124-229-00	ELECT	33uF	20%	10V
C604	1-136-170-00	FILM	0.27uF	5%	50V
C605	1-136-170-00	FILM	0.27uF	5%	50V
C621	1-126-162-11	ELECT	3.3uF	20%	50V
C622	1-163-213-00	CERAMIC CHIP	0.0022uF	5%	50V
C623	1-124-229-00	ELECT	33uF	20%	10V
C624	1-136-170-00	FILM	0.27uF	5%	50V
C625	1-136-170-00	FILM	0.27uF	5%	50V
C651	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C653	1-124-120-11	ELECT	220uF	20%	25V
C701	1-163-164-00	CERAMIC CHIP	20PF	5%	50V
C702	1-163-165-00	CERAMIC CHIP	22PF	5%	50V
C703	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V
C721	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C722	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C723	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C724	1-164-232-11	CERAMIC CHIP	0.01uF	50V	(XR-4252)
C725	1-164-232-11	CERAMIC CHIP	0.01uF	50V	(XR-4252)
C726	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C729	1-163-059-00	CERAMIC CHIP	0.01uF	10%	50V
C751	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V
C752	1-126-163-11	ELECT	4.7uF	20%	50V
C753	1-126-163-11	ELECT	4.7uF	20%	50V
C754	1-163-037-11	CERAMIC CHIP	0.022uF	10%	25V

MAIN

Ref. No.	Part No.	Description	Remark
		< CONNECTOR >	
CNP1	* 1-506-984-11	PIN, CONNECTOR (PC BOARD) 2P (XR-4240)	
CNP1	* 1-564-705-11	PIN, CONNECTOR (SMALL TYPE) 3P (EXCEPT XR-4240)	
CNP2	* 1-564-719-51	PIN, CONNECTOR (SMALL TYPE) 3P (XR-4257)	
CNP3	* 1-564-509-11	PLUG, CONNECTOR 6P	
CNP5	* 1-564-710-51	PIN, CONNECTOR (SMALL TYPE) 8P (EXCEPT XR-4252)	
CNP5	* 1-564-711-11	PIN, CONNECTOR (SMALL TYPE) 9P (XR-4252)	
CNP6	* 1-564-707-11	PIN, CONNECTOR (SMALL TYPE) 5P	
CNP7	* 1-564-508-11	PLUG, CONNECTOR 5P	
CNP10	* 1-564-718-11	PIN, CONNECTOR (SMALL TYPE) 2P	
CNP11	* 1-564-719-11	PIN, CONNECTOR (SMALL TYPE) 3P	
CNP50	* 1-573-073-11	SOCKET, CONNECTOR 32P	
		< DIODE >	
D1	8-719-987-06	DIODE WG713A	
D2	8-719-987-06	DIODE WG713A	
D3	8-719-987-06	DIODE WG713A	
D4	8-719-987-06	DIODE WG713A	
D5	8-719-987-06	DIODE WG713A	
D6	8-719-987-06	DIODE WG713A	
D7	8-719-987-06	DIODE WG713A	
D8	8-719-987-06	DIODE WG713A	
D101	8-719-987-06	DIODE WG713A	
D201	8-719-987-06	DIODE WG713A	
D301	8-719-987-06	DIODE WG713A	
D401	8-719-974-59	DIODE 1SR139-100	
D402	8-719-987-06	DIODE WG713A (EXCEPT XR-4240)	
D403	8-719-109-89	DIODE RD5.6ES-B2	
D404	8-719-987-06	DIODE WG713A	
D405	8-719-921-74	DIODE MTZN-10A	
D406	8-719-110-13	DIODE RD9.1ES-B2	
D407	8-719-987-06	DIODE WG713A	
D408	8-719-987-06	DIODE WG713A	
D409	8-719-109-89	DIODE RD5.6ES-B2	
D410	8-719-987-06	DIODE WG713A	
D411	8-719-974-59	DIODE 1SR139-100	
D412	8-719-989-62	DIODE RL254	
D413	8-719-974-59	DIODE 1SR139-100	
D414	8-719-987-06	DIODE WG713A	
D415	8-719-989-62	DIODE RL254 (EXCEPT XR-4257)	
D421	8-719-109-93	DIODE RD6.2ES-B2	
D422	8-719-987-06	DIODE WG713A	
D423	8-719-987-06	DIODE WG713A	
D424	8-719-987-06	DIODE WG713A	
D431	8-719-987-06	DIODE WG713A	
D501	8-719-987-06	DIODE WG713A (XR-4252)	
D502	8-719-987-06	DIODE WG713A (XR-4252)	
D503	8-719-987-06	DIODE WG713A (XR-4252)	
D571	8-719-987-06	DIODE WG713A (XR-4252)	
D572	8-719-987-06	DIODE WG713A (XR-4252)	
D573	8-719-987-06	DIODE WG713A (XR-4252)	
D574	8-719-987-06	DIODE WG713A (XR-4252)	
D701	8-719-109-85	DIODE RD5.1ES-B2	
D702	8-719-987-06	DIODE WG713A	
D703	8-719-987-06	DIODE WG713A	
D704	8-719-987-06	DIODE WG713A (E)	
D705	8-719-987-06	DIODE WG713A (E)	
D706	8-719-987-06	DIODE WG713A	
D707	8-719-987-06	DIODE WG713A (XR-4250/4257)	
D708	8-719-987-06	DIODE WG713A (AEP)	
D709	8-719-987-06	DIODE WG713A (XR-4240)	
D710	8-719-987-06	DIODE WG713A	
D711	8-719-987-06	DIODE WG713A	
D712	8-719-987-06	DIODE WG713A	
D713	8-719-987-06	DIODE WG713A	
D714	8-719-987-06	DIODE WG713A	
D715	8-719-987-06	DIODE WG713A	
D716	8-719-987-06	DIODE WG713A	
D717	8-719-987-06	DIODE WG713A	
D718	8-719-987-06	DIODE WG713A	
D719	8-719-987-06	DIODE WG713A (EXCEPT XR-4240)	
D720	8-719-987-06	DIODE WG713A (XR-4240)	
D721	8-719-987-06	DIODE WG713A	
D722	8-719-987-06	DIODE WG713A	
D723	8-719-987-06	DIODE WG713A	
D724	8-719-987-06	DIODE WG713A (XR-4252)	
D725	8-719-987-06	DIODE WG713A (XR-4252)	
D726	8-719-987-06	DIODE WG713A	
D755	8-719-987-06	DIODE WG713A (XR-4252)	
		< TUNER UNIT >	
FE1	1-465-405-11	TUNER UNIT (FM/AM)	
		< IC >	
IC1	8-759-421-10	IC AN7463S	
IC301	8-759-105-60	IC uPC1228HA	
IC321	8-759-909-71	IC BA4558F	
IC361	8-759-909-71	IC BA4558F	
IC501	8-759-998-24	IC TDA1579T (XR-4252)	
IC601	8-759-242-83	IC TA8221H	
IC701	8-759-154-11	IC uPD1723GF-558-3BE	

MAIN

Ref. No.	Part No.	Description	Remark
		< COIL >	
L1	1-410-513-11	INDUCTOR 22uH	
L2	1-410-316-11	INDUCTOR 1uH	
L3	1-412-090-21	INDUCTOR 470uH	
L501	1-424-036-11	COIL (FILTER) (XR-4252)	
		< TRANSISTOR >	
Q1	8-729-901-78	TRANSISTOR 2SC2412K-R	
Q2	8-729-216-22	TRANSISTOR 2SA1162	
Q3	8-729-920-68	TRANSISTOR 2SA933S-QR	
Q4	8-729-926-92	TRANSISTOR DTC124TS	
Q121	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q161	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q221	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q261	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q301	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q302	8-729-901-78	TRANSISTOR 2SC2412K-R	
Q345	8-729-920-08	TRANSISTOR DTC124TK	
Q401	8-729-102-14	TRANSISTOR 2SD1021	
Q402	8-729-102-14	TRANSISTOR 2SD1021	
Q403	8-729-807-12	TRANSISTOR 2SD1802	
Q404	8-729-205-02	TRANSISTOR 2SA1150	
Q405	8-729-920-68	TRANSISTOR 2SA933S-QR	
Q406	8-729-926-92	TRANSISTOR DTC124TS	
Q408	8-729-920-68	TRANSISTOR 2SA933S-QR	
Q409	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q421	8-729-926-92	TRANSISTOR DTC124TS	
Q551	8-729-205-95	TRANSISTOR 2SA1428-Y (XR-4252)	
Q552	8-729-119-78	TRANSISTOR 2SC2785-HFE (XR-4252)	
Q571	8-729-119-78	TRANSISTOR 2SC2785-HFE (XR-4252)	
Q721	8-729-901-78	TRANSISTOR 2SC2412K-R	
Q722	8-729-901-78	TRANSISTOR 2SC2412K-R	
Q723	8-729-901-78	TRANSISTOR 2SC2412K-R	
Q724	8-729-901-78	TRANSISTOR 2SC2412K-R (XR-4252)	
Q725	8-729-901-78	TRANSISTOR 2SC2412K-R (XR-4252)	
Q726	8-729-901-78	TRANSISTOR 2SC2412K-R	
Q751	8-729-924-99	TRANSISTOR 2SC3722K-E	
Q752	8-729-924-99	TRANSISTOR 2SC3722K-E	
		< RESISTOR >	
R1	1-216-216-00	METAL GLAZE 5.6K 5% 1/8W	
R2	1-216-150-00	METAL GLAZE 10 5% 1/8W	
R5	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R6	1-216-053-00	METAL CHIP 1.5K 5% 1/10W	
R7	1-216-105-00	METAL CHIP 220K 5% 1/10W	
R8	1-216-070-00	METAL CHIP 7.5K 5% 1/10W	
R9	1-216-097-00	METAL CHIP 100K 5% 1/10W	
R10	1-216-075-00	METAL CHIP 12K 5% 1/10W	

Ref. No.	Part No.	Description	Remark
R11	1-216-097-00	METAL CHIP 100K 5% 1/10W	
R12	1-216-085-00	METAL CHIP 33K 5% 1/10W	
R13	1-216-097-00	METAL CHIP 100K 5% 1/10W	
R14	1-216-091-00	METAL CHIP 56K 5% 1/10W	
R15	1-216-105-00	METAL CHIP 220K 5% 1/10W	
R16	1-216-071-00	METAL CHIP 8.2K 5% 1/10W	
R17	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R18	1-216-061-00	METAL CHIP 3.3K 5% 1/10W	
R19	1-216-075-00	METAL CHIP 12K 5% 1/10W	
R20	1-216-089-00	METAL CHIP 47K 5% 1/10W	
R21	1-216-228-00	METAL GLAZE 18K 5% 1/8W	(XR-4252)
R21	1-216-236-00	METAL GLAZE 39K 5% 1/8W	(XR-4240/4250)
R21	1-216-241-00	METAL GLAZE 62K 5% 1/8W	(XR-4257)
R22	1-216-228-00	METAL GLAZE 18K 5% 1/8W	(XR-4252)
R22	1-216-236-00	METAL GLAZE 39K 5% 1/8W	(XR-4240/4250)
R22	1-216-241-00	METAL GLAZE 62K 5% 1/8W	(XR-4257)
R23	1-216-236-00	METAL GLAZE 39K 5% 1/8W	(EXCEPT XR-4257)
R23	1-216-238-00	METAL GLAZE 47K 5% 1/8W	(XR-4257)
R24	1-216-150-00	METAL GLAZE 10 5% 1/8W	
R25	1-216-081-00	METAL CHIP 22K 5% 1/10W	
R26	1-216-206-00	METAL GLAZE 2.2K 5% 1/8W	
R27	1-216-025-00	METAL CHIP 100 5% 1/10W	
R28	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R101	1-216-023-00	METAL CHIP 82 5% 1/10W	
R102	1-216-105-00	METAL CHIP 220K 5% 1/10W	
R103	1-216-072-00	METAL CHIP 9.1K 5% 1/10W	
R104	1-216-089-00	METAL CHIP 47K 5% 1/10W	
R105	1-216-057-00	METAL CHIP 2.2K 5% 1/10W	
R121	1-216-081-00	METAL CHIP 22K 5% 1/10W	
R122	1-216-097-00	METAL CHIP 100K 5% 1/10W	
R123	1-216-065-00	METAL CHIP 4.7K 5% 1/10W	
R124	1-216-085-00	METAL CHIP 33K 5% 1/10W	
R126	1-216-097-00	METAL CHIP 100K 5% 1/10W	
R127	1-216-097-00	METAL CHIP 100K 5% 1/10W	
R161	1-216-097-00	METAL CHIP 100K 5% 1/10W	
R163	1-216-081-00	METAL CHIP 22K 5% 1/10W	
R164	1-216-061-00	METAL CHIP 3.3K 5% 1/10W	
R165	1-216-216-00	METAL CHIP 1K 5% 1/8W	
R166	1-216-228-00	METAL GLAZE 18K 5% 1/8W	
R171	1-216-049-00	METAL CHIP 1K 5% 1/10W	(XR-4257)
R201	1-216-023-00	METAL CHIP 82 5% 1/10W	
R202	1-216-105-00	METAL CHIP 220K 5% 1/10W	
R203	1-216-072-00	METAL CHIP 9.1K 5% 1/10W	
R204	1-216-089-00	METAL CHIP 47K 5% 1/10W	
R205	1-216-057-00	METAL CHIP 2.2K 5% 1/10W	
R221	1-216-081-00	METAL CHIP 22K 5% 1/10W	
R222	1-216-097-00	METAL CHIP 100K 5% 1/10W	
R223	1-216-065-00	METAL CHIP 4.7K 5% 1/10W	

MAIN

Ref. No.	Part No.	Description				Remark
R224	1-216-085-00	METAL CHIP	33K	5%	1/10W	
R226	1-216-097-00	METAL CHIP	100K	5%	1/10W	
R227	1-216-246-00	METAL GLAZE	100K	5%	1/8W	
R261	1-216-097-00	METAL CHIP	100K	5%	1/10W	
R263	1-216-081-00	METAL CHIP	22K	5%	1/10W	
R264	1-216-061-00	METAL CHIP	3.3K	5%	1/10W	
R265	1-216-216-00	METAL GLAZE	1K	5%	1/8W	
R266	1-216-228-00	METAL CHIP	18K	5%	1/8W	
R271	1-216-049-00	METAL CHIP	1K	5%	1/10W	(XR-4257)
R301	1-249-397-11	CARBON	22	5%	1/4W	
R310	1-216-065-00	METAL CHIP	4.7K	5%	1/10W	
R311	1-216-230-00	METAL GLAZE	22K	5%	1/8W	
R321	1-216-222-00	METAL GLAZE	10K	5%	1/8W	
R322	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R345	1-216-089-00	METAL CHIP	47K	5%	1/10W	
R346	1-216-222-00	METAL GLAZE	10K	5%	1/8W	(XR-4252)
R347	1-216-222-00	METAL GLAZE	10K	5%	1/8W	
R348	1-216-071-00	METAL CHIP	8.2K	5%	1/10W	
R349	1-216-079-00	METAL CHIP	18K	5%	1/10W	
R361	1-249-403-11	CARBON	68	5%	1/4W	
R362	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R363	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R401	1-216-061-00	METAL CHIP	3.3K	5%	1/10W	
R402	1-216-188-00	METAL GLAZE	390	5%	1/8W	(EXCEPT XR-4240)
R403	1-216-188-00	METAL GLAZE	390	5%	1/8W	(EXCEPT XR-4240)
R404	1-216-198-00	METAL CHIP	1K	5%	1/8W	
R405	1-216-198-00	METAL CHIP	1K	5%	1/8W	
R406	1-216-230-00	METAL GLAZE	22K	5%	1/8W	
R407	1-216-057-00	METAL CHIP	2.2K	5%	1/10W	
R408	1-216-069-00	METAL CHIP	6.8K	5%	1/10W	
R409	1-216-228-00	METAL GLAZE	18K	5%	1/8W	
R410	1-216-222-00	METAL GLAZE	10K	5%	1/8W	
R411	1-216-085-00	METAL CHIP	33K	5%	1/10W	
R412	1-216-065-00	METAL CHIP	4.7K	5%	1/10W	
R413	1-216-077-00	METAL CHIP	15K	5%	1/10W	
R414	1-216-079-00	METAL CHIP	18K	5%	1/10W	
R415	1-216-029-00	METAL CHIP	150	5%	1/10W	
R416	1-216-001-00	METAL CHIP	10	5%	1/10W	
R421	1-216-198-00	METAL CHIP	1K	5%	1/8W	
R422	1-216-067-00	METAL CHIP	5.6K	5%	1/10W	
R423	1-216-230-00	METAL GLAZE	22K	5%	1/8W	
R431	1-216-142-00	METAL GLAZE	4.7	5%	1/8W	
R432	1-216-142-00	METAL GLAZE	4.7	5%	1/8W	
R501	1-216-097-00	METAL CHIP	100K	5%	1/10W	(XR-4252)
R502	1-216-085-00	METAL CHIP	33K	5%	1/10W	(XR-4252)
R503	1-216-150-00	METAL GLAZE	10	5%	1/8W	(XR-4252)
R504	1-216-117-00	METAL CHIP	680K	5%	1/10W	(XR-4252)
R505	1-216-097-00	METAL CHIP	100K	5%	1/10W	(XR-4252)
R506	1-216-083-00	METAL CHIP	27K	5%	1/10W	(XR-4252)
R507	1-216-097-00	METAL CHIP	100K	5%	1/10W	(XR-4252)
R508	1-216-117-00	METAL CHIP	680K	5%	1/10W	(XR-4252)
R509	1-216-041-00	METAL CHIP	470	5%	1/10W	(XR-4252)

Ref. No.	Part No.	Description				Remark
R510	1-216-105-00	METAL CHIP	220K	5%	1/10W	(XR-4252)
R511	1-216-089-00	METAL CHIP	47K	5%	1/10W	(XR-4252)
R512	1-216-065-00	METAL CHIP	4.7K	5%	1/10W	(XR-4252)
R513	1-216-242-00	METAL GLAZE	68K	5%	1/8W	(XR-4252)
R551	1-216-065-00	METAL CHIP	4.7K	5%	1/10W	(XR-4252)
R552	1-249-418-11	CARBON	1.2K	5%	1/4W	(XR-4252)
R553	1-216-081-00	METAL CHIP	22K	5%	1/10W	(XR-4252)
R571	1-216-089-00	METAL CHIP	47K	5%	1/10W	(XR-4252)
R572	1-249-424-11	CARBON	3.9K	5%	1/4W	(XR-4252)
R574	1-216-077-00	METAL CHIP	15K	5%	1/10W	(XR-4252)
R601	1-216-228-00	METAL GLAZE	18K	5%	1/8W	
R602	1-216-055-00	METAL CHIP	1.8K	5%	1/10W	
R603	1-216-041-00	METAL CHIP	470	5%	1/10W	
R604	1-249-385-11	CARBON	2.2	5%	1/6W	
R605	1-249-385-11	CARBON	2.2	5%	1/6W	
R621	1-216-228-00	METAL GLAZE	18K	5%	1/8W,	
R622	1-216-055-00	METAL CHIP	1.8K	5%	1/10W	
R623	1-216-041-00	METAL CHIP	470	5%	1/10W	
R624	1-249-385-11	CARBON	2.2	5%	1/6W	
R625	1-249-385-11	CARBON	2.2	5%	1/6W	
R651	1-216-049-00	METAL CHIP	1K	5%	1/10W	(EXCEPT E)
R652	1-216-238-00	METAL CHIP	47K	5%	1/8W	
R654	1-216-246-00	METAL GLAZE	100K	5%	1/8W	
R701	1-216-049-00	METAL CHIP	1K	5%	1/10W	(EXCEPT E)
R702	1-216-236-00	METAL GLAZE	39K	5%	1/8W	
R703	1-216-238-00	METAL GLAZE	47K	5%	1/8W	
R721	1-216-254-00	METAL GLAZE	220K	5%	1/8W	
R722	1-216-254-00	METAL GLAZE	220K	5%	1/8W	
R723	1-216-254-00	METAL GLAZE	220K	5%	1/8W	
R724	1-216-254-00	METAL GLAZE	220K	5%	1/8W	(XR-4252)
R725	1-216-254-00	METAL GLAZE	220K	5%	1/8W	(XR-4252)
R726	1-216-105-00	METAL CHIP	220K	5%	1/10W	
R728	1-216-097-00	METAL CHIP	100K	5%	1/10W	
R751	1-216-053-00	METAL CHIP	1.5K	5%	1/10W	
R752	1-216-073-00	METAL CHIP	10K	5%	1/10W	
R753	1-216-049-00	METAL CHIP	1K	5%	1/10W	(EXCEPT XR-4240)
R754	1-216-061-00	METAL CHIP	3.3K	5%	1/10W	
R755	1-216-053-00	METAL CHIP	1.5K	5%	1/10W	
R756	1-216-121-00	METAL CHIP	1M	5%	1/10W	
R757	1-216-057-00	METAL CHIP	2.2K	5%	1/10W	
R771	1-216-176-00	METAL GLAZE	120	5%	1/8W	(EXCEPT XR-4250:AEP)
R772	1-216-176-00	METAL GLAZE	120	5%	1/8W	(EXCEPT XR-4250:AEP)
R773	1-216-176-00	METAL GLAZE	120	5%	1/8W	(EXCEPT XR-4250:AEP)
R771	1-216-168-00	METAL GLAZE	56	5%	1/8W	(XR-4250:AEP)
R772	1-216-168-00	METAL GLAZE	56	5%	1/8W	(XR-4250:AEP)
R773	1-216-170-00	METAL GLAZE	68	5%	1/8W	(XR-4250:AEP)
R774	1-216-170-00	METAL GLAZE	68	5%	1/8W	(XR-4250:AEP)

MAIN VOL

Ref. No.	Part No.	Description			Remark
R774	1-216-176-00	METAL GLAZE	120	5% 1/8W	(EXCEPT XR-4250:AEP)

< VARIABLE RESISTOR >

RV1	1-238-599-11	RES, ADJ, CARBON 4.7K (FM STEREO SEPARATION)
RV2	1-238-600-11	RES, ADJ, CARBON 10K (STEREO AUTO HI-BLEND)
RV3	1-238-599-11	RES, ADJ, CARBON 4.7K (VCO)
RV501	1-238-595-11	RES, ADJ, CARBON 220 (SDK) (XR-4252)

< SWITCH >

S701	1-553-510-00	SWITCH, SLIDE (9K/10K) (E)

< THERMISTOR >

TH401	1-809-148-11	THERMISTOR, POSITIVE (XR-4257)

< CRYSTAL >

X701	1-567-713-11	VIBRATOR, CRYSTAL

****

*	A-3273-438-A	VOL BOARD, COMPLETE (EXCEPT XR-4252)

****

*	A-3273-440-A	VOL BOARD, COMPLETE (XR-4252)

****

< CAPACITOR >

C124	1-126-163-11	ELECT	4.7uF	20%	50V
C125	1-126-163-11	ELECT	4.7uF	20%	50V
C131	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C132	1-163-017-00	CERAMIC CHIP	0.0047uF	5%	50V
C133	1-163-809-11	CERAMIC CHIP	0.047uF	10%	25V
C134	1-163-024-00	CERAMIC CHIP	0.018uF	10%	50V
C155	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C157	1-163-011-11	CERAMIC CHIP	0.0015uF	10%	50V
C224	1-126-163-11	ELECT	4.7uF	20%	50V
C225	1-126-163-11	ELECT	4.7uF	20%	50V
C231	1-164-232-11	CERAMIC CHIP	0.01uF		50V
C232	1-163-017-00	CERAMIC CHIP	0.0047uF	5%	50V
C233	1-163-809-11	CERAMIC CHIP	0.047uF	10%	25V
C234	1-163-024-00	CERAMIC CHIP	0.018uF	10%	50V
C255	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C257	1-163-011-11	CERAMIC CHIP	0.0015uF	10%	50V
C755	1-124-234-00	ELECT	22uF	20% 16V	(XR-4252)

< CONNECTOR >

CNP8	*	1-564-509-11	PLUG, CONNECTOR 6P
CNP15	*	1-564-710-11	PLUG, CONNECTOR 8P (EXCEPT XR-4252)
CNP15	*	1-564-711-11	PIN, CONNECTOR(SMALL TYPE) 9P (XR-4252)
CNP16	*	1-564-707-11	PIN, CONNECTOR (SMALL TYPE) 5P

< TRANSISTOR >

Q152	8-729-144-85	TRANSISTOR	2SK1133 (XR-4252)
Q152	8-729-920-08	TRANSISTOR	DTC124TK (EXCEPT XR-4252)
Q153	8-729-144-85	TRANSISTOR	2SK1133 (XR-4252)
Q153	8-729-920-08	TRANSISTOR	DTC124TK (EXCEPT XR-4252)
Q252	8-729-144-85	TRANSISTOR	2SK1133 (XR-4252)
Q252	8-729-920-08	TRANSISTOR	DTC124TK (EXCEPT XR-4252)
Q253	8-729-144-85	TRANSISTOR	2SK1133 (XR-4252)
Q253	8-729-920-08	TRANSISTOR	DTC124TK (EXCEPT XR-4252)
Q570	8-729-102-14	TRANSISTOR	2SD1021 (XR-4252)

< RESISTOR >

R128	1-216-041-00	METAL CHIP	470	5% 1/10W	(XR-4252)
R129	1-216-049-00	METAL CHIP	1K	5% 1/10W	
R130	1-216-067-00	METAL CHIP	5.6K	5% 1/10W	
R131	1-216-077-00	METAL CHIP	15K	5% 1/10W	
R132	1-216-091-00	METAL CHIP	56K	5% 1/10W	
R133	1-249-421-11	CARBON	2.2K	5% 1/4W	
R157	1-216-091-00	METAL CHIP	56K	5% 1/10W	
R158	1-216-067-00	METAL CHIP	5.6K	5% 1/10W	
R159	1-216-089-00	METAL CHIP	47K	5% 1/10W	(XR-4252)
R160	1-216-089-00	METAL CHIP	47K	5% 1/10W	(XR-4252)
R228	1-216-041-00	METAL CHIP	470	5% 1/10W	
R229	1-216-049-00	METAL CHIP	1K	5% 1/10W	
R230	1-216-067-00	METAL CHIP	5.6K	5% 1/10W	
R231	1-216-077-00	METAL CHIP	15K	5% 1/10W	
R232	1-216-091-00	METAL CHIP	56K	5% 1/10W	
R233	1-249-421-11	CARBON	2.2K	5% 1/4W	
R257	1-216-091-00	METAL CHIP	56K	5% 1/10W	
R258	1-216-067-00	METAL CHIP	5.6K	5% 1/10W	
R259	1-216-089-00	METAL CHIP	47K	5% 1/10W	(XR-4252)
R260	1-216-089-00	METAL CHIP	47K	5% 1/10W	(XR-4252)
R573	1-216-117-00	METAL CHIP	680K	5% 1/10W	(XR-4252)
R727	1-216-097-00	METAL CHIP	100K	5% 1/10W	

< VARIABLE RESISTOR >

RV351	1-241-438-11	RES, VAR, CARBON 100KX4 (BAS/TRE/LOUD)
RV352	1-241-436-11	RES, VAR (VOL/PULL BAL/FAD/POWER SW)
RV570	1-241-039-11	RES, ADJ, CARBON 10K (AR1 VOLUME) (XR-4252)

****

MISCELLANEOUS

****

CNJ1	1-574-339-11	CORD (WITH CONNECTOR) (XR-4240)
CNJ100	1-590-580-11	CORD (WITH CONNECTOR) (XR-4257)
CNJ100	1-590-582-11	CORD (WITH CONNECTOR) (XR-4250/4252)
CNJ200	1-590-584-11	CORD (WITH CONNECTOR) (XR-4240)
F901	1-532-414-11	FUSE, GLASS TUBE 1A (XR-4250/4252)
F901	1-532-433-11	FUSE, GLASS TUBE 1A (XR-4257/4240)
F902	1-532-508-11	FUSE, GLASS TUBE 8A (XR-4250/4252)
F902	1-576-075-11	FUSE, GLASS TUBE 8A (XR-4257/4240)
HP901	1-543-829-11	HEAD, CERAMIC (PLAYBACK)
LCD1	1-809-289-11	DISPLAY PANEL, LIQUID CRYSTAL (EXCEPT XR-4250: AEP)
LCD1	1-809-289-21	DISPLAY PANEL, LIQUID CRYSTAL (XR-4250: AEP)
M901	3-367-276-01	MOTOR ASSY
S902	1-572-712-11	SWITCH, SLIDE

****

Ref. No.	Part No.	Description	Remark
		ACCESSORY & PACKING MATERIAL	
		**********	
	X-3320-524-2	SCREW ASSY (A) (XR-4240)	
	1-574-339-11	CORD (WITH CONNECTOR & FUSE) (XR-4240)	
	1-590-580-11	CORD (WITH CONNECTOR & FUSE) (XR-4257)	
	1-590-582-11	CORD (WITH CONNECTOR & FUSE) (XR-4250/4252)	
	1-590-584-11	CORD (WITH CONNECTOR & FUSE) (XR-4240)	
	3-302-126-01	SCREW, TAPPING (DIA. 5X20)	
	3-310-655-01	SUPPORT (ND), FITTING	
	3-323-209-01	BOLT (4-5), STD (XR-4240)	
	3-323-210-01	ADJUSTOR, STUD BOLT (XR-4240)	
	3-323-219-01	FRAME, FITTING (XR-4240)	
	3-336-617-01	BAG, PROTECTION	
	3-339-403-02	SPRING (XR-4240)	
	3-349-410-01	BUSHING	
*	3-363-754-01	INDIVIDUAL CARTON (XR-4257)	
	3-366-163-01	COLLAR (XR-4240)	
*	3-367-623-11	CUSHION (UPPER) (L&R) (EXCEPT XR-4240)	
*	3-367-630-11	CUSHION (LOWER) (EXCEPT XR-4240)	
*	3-368-911-01	INDIVIDUAL CARTON (XR-4250: AEP)	
*	3-368-913-01	INDIVIDUAL CARTON (XR-4252)	
*	3-368-915-01	INDIVIDUAL CARTON (XR-4257)	
*	3-369-696-01	INDIVIDUAL CARTON (XR-4240)	
*	3-369-703-01	INDIVIDUAL CARTON (XR-4250: E)	
*	3-370-278-01	CUSHION (UPPER) (XR-4240)	
*	3-370-279-01	CUSHION (LOWER) (XR-4240)	
	3-753-044-11	MANUAL, INSTRUCTION (XR-4240/4250: E) (ENGLISH/FRENCH/GERMAN/CHINESE)	
	3-753-044-21	MANUAL, INSTRUCTION (XR-4257) (ENGLISH/FRENCH)	
	3-753-044-41	MANUAL, INSTRUCTION (XR-4250: AEP) (NORWAY/SWEDISH/ITALIAN/PORTUGUESE)	
	3-753-044-51	MANUAL, INSTRUCTION (XR-4252) (ENGLISH/FRENCH/GERMAN/ITALIAN)	
	3-753-045-11	MANUAL, INSTRUCTION (XR-4240/4250: E) (ENGLISH/FRENCH/GERMAN/CHINESE)	
	3-753-045-21	MANUAL, INSTRUCTION (XR-4257) (ENGLISH/FRENCH)	
	3-753-045-41	MANUAL, INSTRUCTION (XR-4250: AEP) (NORWAY/SWEDISH/ITALIAN/PORTUGUESE)	
	3-753-045-51	MANUAL, INSTRUCTION (XR-4252) (ENGLISH/FRENCH/GERMAN/ITALIAN)	
*	3-845-355-01	CUSHION, MICROPHONE (XR-4240/4250: E)	
	7-682-548-04	SCREW +P 3X8 (EXCEPT XR-4240)	
	7-682-583-04	SCREW +P 5X40 (EXCEPT XR-4240)	
	7-684-025-04	N 5, TYPE 2 (EXCEPT XR-4240)	

****

Ref. No.	Part No.	Description	Remark

HARDWARE LIST

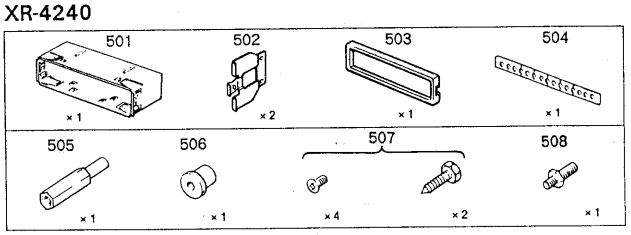
****

# 1	7-621-770-67	SCREW +PTT 2.6X6 (S)
# 2	7-685-104-19	SCREW +P 2X6 TYPE2 SLIT
# 3	7-621-771-06	SCREW +B 2X5
# 4	7-682-547-04	SCREW +P 3X6
# 5	7-621-775-00	SCREW +B 2.6X3
# 6	7-682-550-09	SCREW +B 3X12
# 7	7-621-770-XX	SCREW +PTT 2.6X8 (S) (XR-4250: E)
# 7	7-621-770-67	SCREW +PTT 2.6X6 (S) (EXCEPT XR-4250: E)
# 9	7-627-553-38	SCREW, PRECISION +P 2X3 (EXCEPT XR-4240)
#10	7-682-548-04	SCREW +P 3X8 (EXCEPT XR-4240)
#11	7-627-554-07	PRECISION SCREW +P 2X2.2 TYPE3
#12	7-628-253-90	SCREW +PS 2.6X4
#13	7-624-104-04	STOP RING 2.0, TYPE -E
#14	7-627-553-37	PRECISION SCREW +P 2X3 TYPE 3
#15	7-624-102-04	STOP RING 1.5, TYPE -E
#16	7-628-253-10	SCREW +PS 2X5
#17	7-627-554-28	SCREW, PRECISION +P 2X5 TYPE3

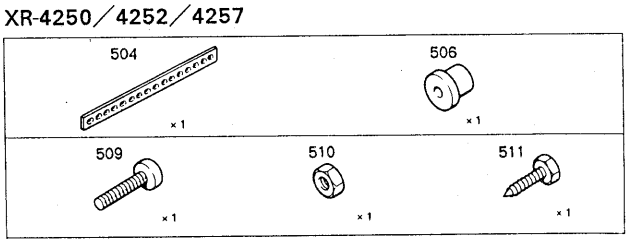
****

MOUNTING HARDWARE

XR-4240



XR-4250／4252／4257



501	3-323-219-01	FRAME, FITTING (XR-4240)
502	3-339-403-02	SPRING (XR-4240)
503	3-366-163-01	COLLAR (XR-4240)
504	3-310-655-01	SUPPORT (ND), FITTING
505	3-323-210-01	ADJUSTOR, STUD BOLT (XR-4240)
506	3-349-410-01	BUSHING
507	X-3320-524-2	SCREW ASSY (A) (XR-4240)
508	3-323-209-01	BOLT (4-5),STD (XR-4240)
509	7-682-583-04	SCREW +P 5×40 (EXCEPT XR-4240)
510	7-684-025-04	N5, TYPE2 (EXCEPT XR-4240)
511	3-302-126-01	SCREW, TAPPING (DIA, 5×20) (EXCEPT XR-4240)

9-956-246-11

Sony Corporation
Mobile Electronics Group

English
91D0277-1
Printed in Japan
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XR-4240/4250/4252/4257

SONY

SERVICE MANUAL

US Model
Canadian Model
XR-4257
AEP Model
XR-4250
E Model
XR-4240/4250
Germany Model
XR-4252

SUPPLEMENT-1

File this Supplement with the Service Manual.

Block Diagram

9-956-246-81

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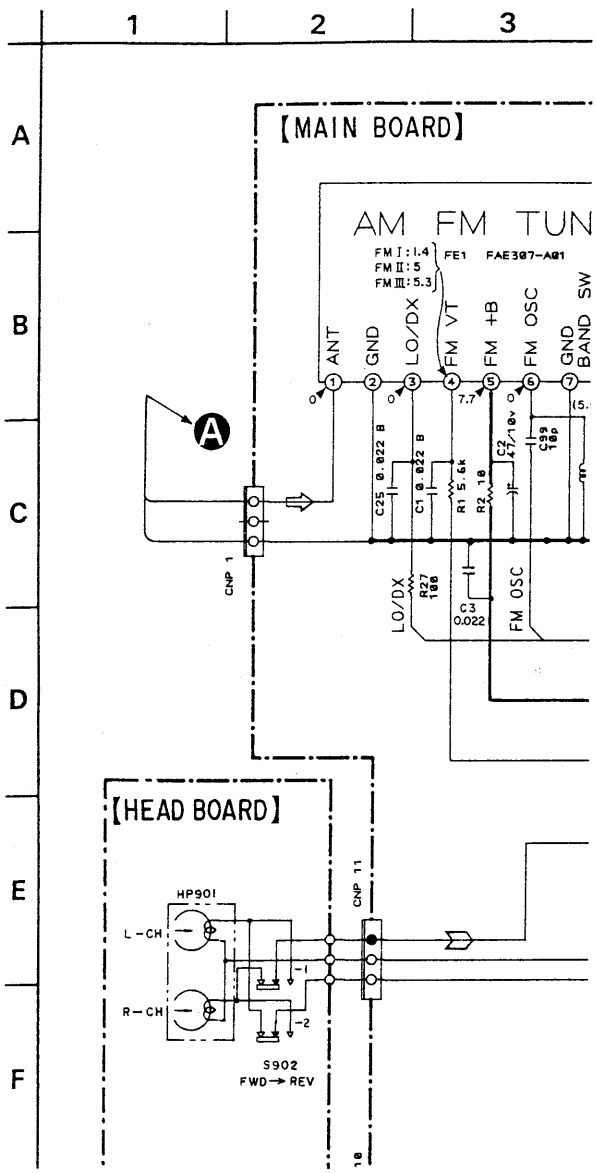
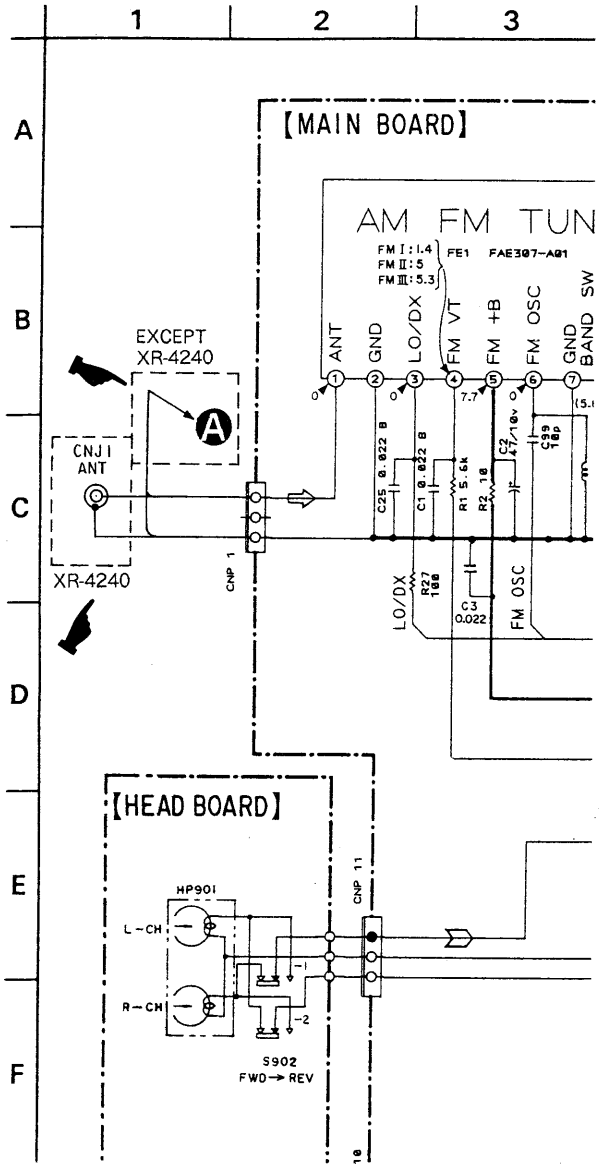
CORRECTION (Service Manual Page 21)

☛ : Corrected portion

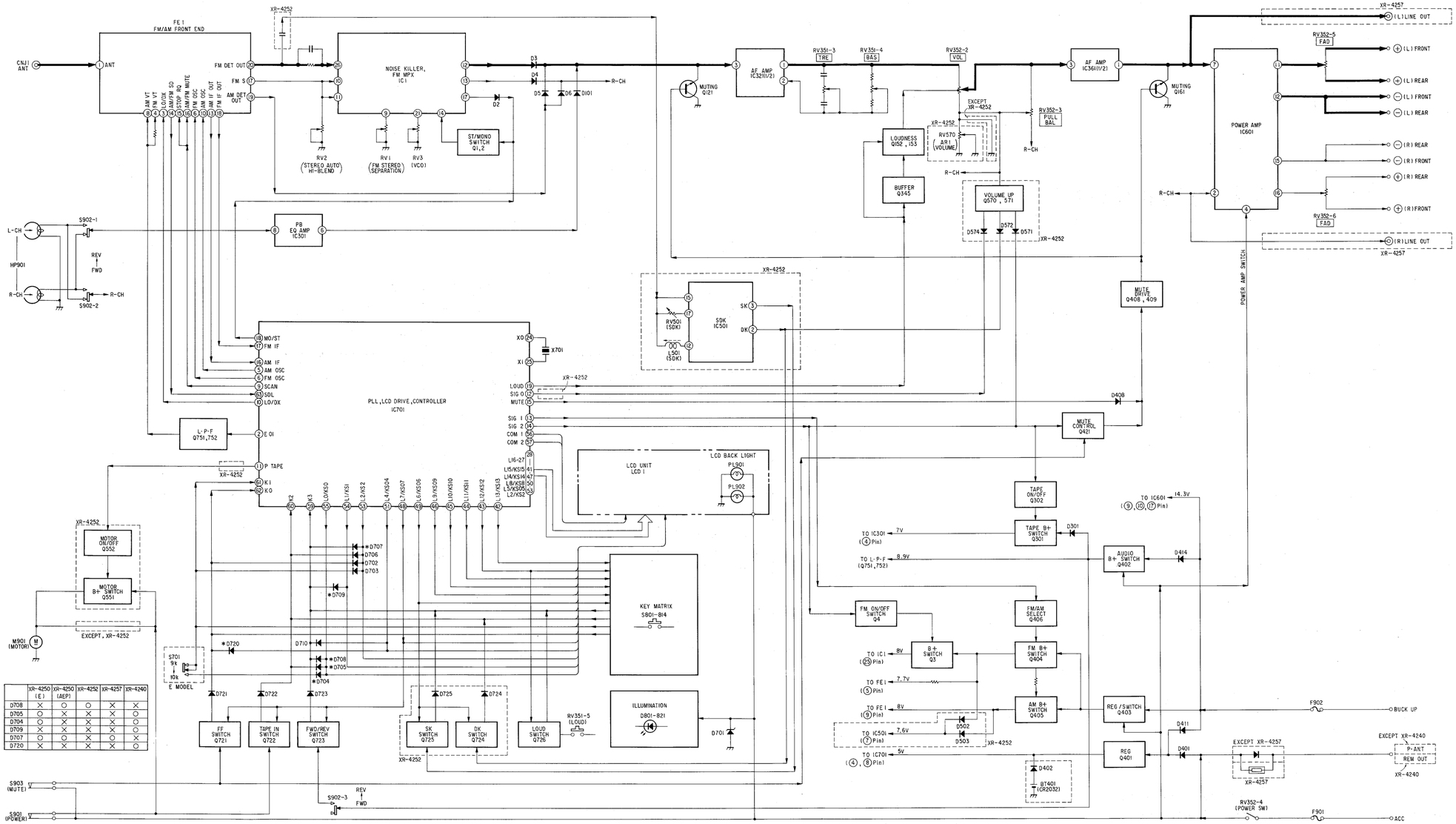
INCORRECT	CORRECT
3-3. SCHEMATIC DIAGRAM	3-3. SCHEMATIC DIAGRAM





XR-4240/4250/4252/4257

BLOCK DIAGRAM



	XR-4250 (E)	XR-4250 (AEP)	XR-4252	XR-4257	XR-4240
D708	×	○	○	×	×
D705	○	×	×	×	○
D704	○	×	×	×	○
D709	×	×	×	×	○
D707	○	○	×	○	×
D720	×	×	×	×	○

XR-4240/4250/4252/4257

SONY

SERVICE MANUAL

US Model
Canadian Model
XR-4257
AEP Model
XR-4250
E Model
XR-4240/4250
Germany Model
XR-4252

SUPPLEMENT-2

File this Supplement with the Service Manual.

The illumination color of the preceding XR-4250 (AEP Model) was green, and now the color of amber has been newly added.
The main unit is almost identical to the XR-4250 (E Model).
Therefore, only parts that differ from the XR-4250 (E Model) are described in this manual.

Ref. No.	Part No.	Description
21	X-3362-732-1	LID ASSY, CASSETT (XR4250 : AEP) (Page 27)
26	* 3-366-869-01	LABEL MODEL NUMBER(XR-4250 : AEP) (Page 27)
ACC	* 3-368-911-01	INDIVIDUAL CARTON (XR-4250 : AEP) (Page 40)
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